

2006 HOV ANNUAL REPORT



STATE OF CALIFORNIA

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District 7

Los Angeles and Ventura Counties

September 2006



www.dot.ca.gov/dist07

EXECUTIVE SUMMARY

The following is a summary of HOV operations for District 7 in the year 2006:

- ♦ Los Angeles County has **468 lane miles** of HOV facilities, or 36% of the total 1300 HOV lane miles (approximate) in the State of California. Five counties (Los Angeles, Ventura, Orange, San Bernardino, and Riverside) within the Southern California region have a total of 859 lane miles (approximate) of HOV facilities, excluding the Route 91 Toll Road in Orange County, which is 40 HOV lane miles.
- ♦ On average, each HOV facility in Los Angeles County carries **1400 vehicles per hour** or **3300 people per hour**, during peak hours. These volumes well exceed the minimum expected volume of 800 vehicles per hour or 1800 people per hour, as specified in the *HOV Guidelines for Planning, Design, and Operations*.
- ♦ On average, the person-trip volume of an HOV lane is two (2) times greater than that of a mixed-flow lane during peak hours. (i.e., two (2) regular lanes are needed to carry an equal number of people in the HOV lane.)
- ♦ The average violation rate is 1.8%, which is substantially lower than the preferable rate of below 10%, as specified in the *HOV Guidelines for Planning, Design, and Operations*.
- ♦ Since 1992, the total number of carpools on freeways with HOV lanes has increased steadily, whereas on freeways without HOV lanes, the total number of carpools has remained relatively constant or decreased. From 1992 to 2006, the data indicates an increase of 72% in the total number of carpools on freeways with HOV lanes for the morning peak 2-hour period. Significant increases in carpools were also observed in the afternoon peak 2-hour period. For details, see tables and charts titled *Number of Carpools on Freeways* on pages 13 to 16.
- ♦ On average, the peak hour volume is 11%, and the peak 2-hour volume is 21% of the daily HOV traffic volume, excluding the El Monte Busway data, which has the 3+ occupancy requirement during peak hours.
- ♦ On average, HOV facilities operate at a level of service C during peak hours, while most of the mixed-flow lanes operate at a level of service E-F during peak hours.
- ♦ The HOV facilities in Los Angeles County carry approximately **322,000 vehicles** or **731,000 people per day**.
- ♦ On average, HOV lane users save approximately one minute per mile, compared to mixed-flow traffic during peak hours.
- ♦ On average, HOV facilities carry 32% of the entire freeway's people in just 20% of the freeway's space [1 out of 5 lanes (4 mixed-flow lane + 1 HOV lane)], while an adjacent single mixed-flow lane carries 18% of the entire freeway's people in the same 20% space.

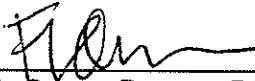
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ACKNOWLEDGEMENTS

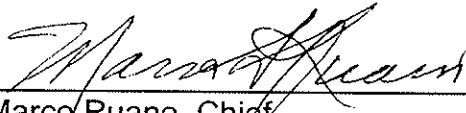
The *High Occupancy Vehicle (HOV) Annual Report* is prepared by the Office of Freeway Operations, HOV Operations Branch in District 7. The information in this report encompasses all HOV lanes in Los Angeles and Ventura Counties.

Approved by:



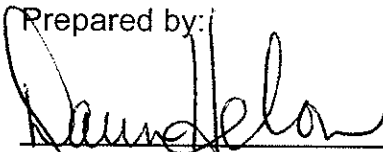
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INTRODUCTION

Caltrans, District 7 (Los Angeles/Ventura County) is home to the nation's most extensive High Occupancy Vehicle lane program, which will be adding carpool lanes to virtually every freeway in the Los Angeles area.

The HOV program is the backbone of a multi-modal transportation system. In providing an HOV system, Caltrans is providing the network necessary for the higher level mass transit systems in the future. The HOV system is also the least expensive method or alternative to accommodate economic growth and development.

The 5 billion HOV program is designed to quickly increase mobility in the region. HOV lanes are seen as the next logical step in improving freeway efficiency to accommodate future increases in population and traffic.

The central concept of the HOV program is to move more people instead of cars. We cannot build our way out of future growth and congestion, by simply adding more and more lanes. When HOV lanes were introduced in Los Angeles County, the HOV system was designed to:

- a. Increase the person-movement capacity of the freeway
- b. Be cost-effective, by reducing commute costs
- c. Provide rideshare incentives, such as saving time and trip reliability.

The results of these goals improve air quality, conserve energy, increase mobility and efficiency of all trips, and reduce congestion. Even if you are not able to rideshare, adding HOV lanes will help your solo commute, by reducing congestion on all freeway lanes.

The Interstate 10 HOV lane, also known as the El Monte Busway, was a pioneering experiment in determining the value of the HOV lanes. The easterly section opened in January of 1973, and the westerly section joined the system in May of 1974. Originally designed for buses only, carpools with three or more people were allowed a few years later. The Route 10 El Monte Busway lane now carries as many people as three regular traffic lanes during peak hours.

The current District 7 HOV program has an important distinction from the "Diamond Lane" experiment of the 1970s: no traffic lanes are being taken away. Rather, the new HOV lanes are being added to the existing freeways, mostly through re-striping and using part of the freeway median, or outside widening.

When complete, Los Angeles County (District 7) will have more than 350 centerline miles (or over 700 lane miles) of HOV facilities in place. The HOV projects are being designed and constructed using local Proposition C funds, and federal and state funds. The funds are being programmed and administered by the Los Angeles County Metropolitan Transportation Authority.

INTRODUCTION

The minimum number of persons required in a vehicle is two to use HOV lanes, with the exception of the Route 10 El Monte Busway which requires a minimum of three persons during peak hours, and Route 91 Toll Road in Orange County, which requires a minimum of three persons at all times. Motorcycles and certain clean air vehicles with a Department of Motor Vehicles' decal, even those carrying just one person, are allowed to use the HOV lanes, by federal law.

All HOV facilities in Southern California are operated on a 24 hour basis except on State Route 14. Beginning January 1, 2001, an 18 month part-time demonstration project was conducted which allowed solo drivers to use the HOV lanes during non-peak hours. FHWA has agreed with the recommendation of Caltrans to continue with the part-time operation of HOV lanes on SR-14 freeway until such time as needed to convert to full-time.

It has been concluded that a significant growth in carpools occurred only on freeways that added HOV lanes, with the number of carpools remaining relatively constant or decreasing for those freeways without HOV lanes. Getting a solo driver out of his car is the biggest challenge, but Caltrans believes that the formation of a simple 2+ carpool is the first step toward higher levels of mass transit, which is the future goal of transportation. The reduction of drive alone is a complicated subject since new drivers join the freeway everyday and route diversion may account for some of the new carpools, instead of carpool growth. However, freeways in Los Angeles which have added HOV lanes, have shown a significant increase in the number of 2+ vehicles, with some HOV lanes carrying as much as 1600 vehicles in the peak hour. On average, HOV lane users save approximately 1 minute per mile, compared to mixed flow traffic during peak hours.

GENERAL INFORMATION

- ◆ **FREEWAYS AND HIGHWAYS IN SOUTHERN CALIFORNIA**
- ◆ **HOV RAMP METERING AND HOV BYPASS LANES**
- ◆ **PARK AND RIDE LOTS**
- ◆ **HOV VIOLATION FINES**

FREEWAYS & HIGHWAYS IN SOUTHERN CALIFORNIA

ROUTE		ROUTE	
LAVEN 01	PACIFIC COAST HWY	LA 90	IMPERIAL HWY MARINA FWY
LA 02	GLENDALE FWY SANTA MONICA BLVD	LA 91	ARTESIA FWY RIVERSIDE FWY GARDENA FWY
LA 05	GOLDEN STATE FWY SANTA ANA FWY	LAVEN 101	LA - HOLLYWOOD FWY VEN - VENTURA FWY
LA 10	SANTA MONICA FWY SAN BERNARDINO FWY	LA 103	TERMINAL ISLAND FWY
LA 14	ANTELOPE VALLEY FWY	LA 105	GLENN ANDERSON (CENTURY) FWY
LA 18	PALMDALE RD	LA 107	HAWTHORNE AVE
LA 19	ROSEMEAD BLVD	LA 110	HARBOR FWY PASADENA FWY
LA 22	GARDEN GROVE FWY	LAVEN 118	RONALD REAGAN FWY
LAVEN 23	LA - WESTLAKE BLVD VEN - MOORPARK FWY	LAVEN 126	VEN - SANTA PAULA FWY/TELEGRAPH RD LA - MAGIC MOUNTAIN PKWY LA - KOREAN WAR VETERANS MEM HWY
LA 27	TOPANGA CANYON BLVD	LA 133	LAGUNA CANYON RD
VEN 33	OJAI FWY / MARICOPA HWY	LA 134	VENTURA FWY
VEN 34	SOMIS-LEWIS RD	LA 138	PEARBLOSSOM HWY
LA 39	ORA - BEACH BLVD L.A. - AZUSA AVE	LA 142	CARBON CANYON RD
LA 42	MANCHESTER BLVD	VEN 150	OJAI SANTA PAULA RD CASSITAS PASS RD
LA 47	VINCENT THOMAS BRIDGE	LA 164	ROSEMEAD BLVD
LA 49	LANCASTER RD AVENUE D	LA 170	HOLLYWOOD FWY
LA 55	COSTA MESA FWY NEWPORT BLVD	LA 187	VENICE BLVD
LA 57	ORANGE FWY	LA 210	FOOTHILL FWY
LA 60	POMONA FWY	LA 213	WESTERN AVE
LA 66	FOOTHILL BLVD	VEN 232	VINEYARD AVE
LA 71	CORONA EXPRESSWAY	LA 405	SAN DIEGO FWY
LA 72	WHITTIER BLVD	LA 605	SAN GABRIEL RIVER FWY
LA 73	73 FWY	LA 710	LONG BEACH FWY
LA 74	ORTEGA HWY		

HOV RAMP METERING AND HOV BYPASS LANES

There are 871 on-ramps and 19 freeway-to-freeway connectors that are metered in Los Angeles and Ventura Counties; of which, 360 have separate HOV bypass lanes, where the HOVs do not have to stop at the ramp meter signal. Ramp metering is one of the traffic management tools to regulate the flow of traffic entering the freeways during the peak traffic hours. Ramp metering will:

- a. Smooth the overall flow of freeway traffic
- b. Accommodate more vehicles per hour on the freeway
- c. Decrease commuting travel times
- d. Increase safety on the freeway

Ramp metering is an integral part of the *Traffic Operations Program Strategic Plan* which outlines the program's commitment to focus first on implementing operational strategies to reduce congestion and increase safety on California's state highway system. Ramp metering increases the capacity of the mixed flow lane and enables traffic to flow at greater speeds. Freeway congestion is most often caused by a bottleneck, where the freeway demand exceeds the freeway capacity. This condition usually occurs during the weekday peak hours, but some freeways experience congestion during the mid-day and some on weekends. When the demand exceeds the capacity, congestion creates queues of stop-and-go traffic, and ramp metering limits the amount of traffic entering the freeway so that the demand at the bottleneck does not exceed the capacity. A free-flowing traffic lane can carry 33% more cars than a congested lane.

On weekdays, most ramp meters operate 4 to 10 hours during peak traffic periods. Some ramps are metered all day, including weekends. The rate at which cars are allowed onto the freeway is determined by the ramp volume, as well as the volume on the freeway. The mainline responsive controllers react to the volumes on the freeway, such that if the volumes decrease significantly, then the meter will adjust and allow more cars onto the freeway. If the freeway volumes are very light, the meter may go to continuous green.

Projects within freeway segments identified in the *Ramp Meter Development Plan* should include provisions for ramp metering. However, there are ramp locations that are not metered, due to the heavy volume of traffic and/or insufficient storage area for the metered vehicles.

Park and Ride Lots

Lot Name	Route No.	Post Mile	Lot Address	City
Verdugo	2	17.0	Verdugo Blvd. at Hilddale Dr.	LaCanada
Lakewood-West Lot	5	8.3	Route 5 @ 9004 Lakewood Blvd.	Downey
Citadel	5	12.6	5675 E. Telegraph Rd.	Commerce,90040
Garey/Rte 10	10	45.7	Route 10/Garey @ 110 E. McKinley	Pomona
Fire Station	10	28.7	11333 Valley Blvd.	El Monte,91734
United Meth Church	10	36.5	718 S. Azusa Ave.	W. Covina,91791
United Meth Church	10	37.0	437 W. San Bernardino Rd.	Covina,91723
Indian Hills Market Place	10	47.7	1460 E. Holt	Pomona,91767
Newhall-East Lot	14	27.1	20100 W San Fernando Rd/(126)/E of Rte 14	Newhall
Newhall-West Lot	14	27.1	20516 W. San Fernando Rd.	New Hall
Oak Creek	14	27.1	23610 San Fernando 1/2 mi. W. of Route 14	Newhall
Golden Valley	14	29.5	Rte 14@Golden Valley Road (3 Lots)	Santa Clarita
Pearblossom	14	54.2	Rte 14@Sierra Highway	LA County
Ave S & Geiger Ave.	14	58.2	Ave. S & Geiger Ave.	Palmdale
Ave K @ Route 14	14	66.7	1601 W. Ave K @ Route 14	Lancaster
Pathfinder Rd.	57	3.4	Pathfinder Rd. @ Rte. 57	Diamond Bar
Lanternman	57	5.6	3530 W. Pomona Blvd.	Pomona,91768
Diamond Bar-East	60	25.6	100 N. Diamond Bar Blvd.	Diamond Bar
Diamond Bar-West	60	25.6	101 N. Diamond Bar Blvd.	Diamond Bar
United Meth Church	60	22.8	20601 La Puente	Walnut,91788
Kanan Rd. (Southeast Lot)	101	35.1	Rte 101/Kanan & 29165 Roadside(SE)	Agoura Hills
Borchard Rd.	101	7.0	Rte 101 @ Borchard Rd/475 Rancho Conejo	Thousand Oaks
Pleasant Valley	101	12.3	Rte 101@Pleasant Valley Rd./Santa Rosa Rd.	Camarillo
Las Posas Rd.	101	15.7	Rte 101 @ Las Posas Rd/690 Ventura Blvd	Camarillo
Methodist Church	101	20.7	5619 Lindley Ave	Tarzana,91356
Army National Guard	101	25.0	1270 Arundell Ave.	Ventura,93003
Aviation	105	2.2	Rte 105@Aviation	El Segundo
Hawthorne	105	3.7	Rte 105@Hawthorne Boulevard	Hawthorne
Crenshaw	105	5.0	Rte 105@Crenshaw on 120th Street	Inglewood
Vermont Ave.	105	7.4	Rte 105@Vermont Avenue	Athens
Century/Harbor Junction	105	7.7	Rte 105@Rte 110 - 117th St. & Figueroa St.	Los Angeles
Avalon	105	8.9	Rte. 105@Avolon (Central st)	Los Angeles
Willowbrook/Imperial	105	10.4	Rte 105@Wilmington (Blue Line)	Willowbrook
Long Beach Blvd.	105	11.6	Rte 105@Long Beach Boulevard	Lynwood
Lakewood Blvd.	105	17.4	Rte 105@Lakewood Boulevard	Downey
I-105 Termination	105	18.8	Rte. 105@Studebaker/Hoxie	Norwalk
San Pedro II	110	1.2	515 N. Beacon@Harbor Blvd.	San Pedro
San Pedro	110	1.3	Battery St./Gaffey St./610 Channel St.	San Pedro
Harbor Park	110	3.9	Route 110/ PCH & 1345 W. Pacific Coast Highway	Wilmington
Carson (Opened 1997)	110	6.8	Rte 110@Carson Street	Los Angeles County
Artesia (Opened 1997)	110	9.8	Rte 110@Rte 91	Los Angeles
Rosecrans (Opened 1997)	110	11.9	Rte 110@Rosecrans Avenue	Los Angeles
Manchester (Opened 1997)	110	15.8	Rte 110@Manchester Avenue	Los Angeles
Slauson (Opened 1997)	110	18.0	Rte 110@Slauson Avenue	Los Angeles
Baptist Church	110	10.7	15810 Denker Ave.	Gardena,90247
Chatsworth	118	31.9	15550 Chatsworth St	Chatsworth
Porter Ranch	118	11.4	Rte. 118 @ Porter Ranch.	Chatsworth
GH Masonic Temple	118	8.5	16535 Rinaldi Street	Granada Hills, 91344
Lutheran Church	118	10.5	15950 Chatsworth St.	Granada Hills,91344
Erringer	118	24.8	Erringer Rd. @ Rte. 118	Simi Valley
Moorpark College	118	17.5	Route 118@Collins Avenue	Moorpark
Sycamore Dr.	118	25.7	2599 Sycamore Dr. @ Rte. 118	Simi Valley
Stearns	118	28.8	2501 Stearns St @ Rte 118	Simi Valley
Tapo Canyon	118	27.3	Tapo Canyon Dr. @ Rte. 118	Simi Valley
Farmer's Insurance	118	26.0	3041 Cochran St.	Simi Valley,93099
Swanks Chevron	118	28.8	2449 Stearns St @ Rte 118	Simi Valley,93063
K-Mart	126	10.2	895 Faulkner Rd.	Santa Paula, 93060
Glendale	134	8.8	Route 134 & Route 2	Glendale
Rte 170/Oxnard	170	16.6	Route 170 @ 1200 Oxnard St.	North Hollywood
Paxton	210	6.0	12501 Foothill Blvd @ I-210 & Paxton St	Pacoima
Lowell	210	16.1	Route 210 @ 3930 Lowell Ave.	Glendale
Sierra Madre Blvd.	210	29.4	Sierra Madre Blvd. @ Rte. 210	Pasadena
Grand Ave	210	41.5	Route 210@628 W. Baseline Rd.@Grand Av.	Glendora
Lone Hill	210	44.2	Route 210 @ 1000 S. Lone Hill Ave	Glendora
Via Verde/210	210	47.2	Route 210 @ 105 Via Verde	San Dimas
Citrus College	210	40.6	1000 Foothill Blvd.	Glendora,91741
Skirball & Mulholland	405	36.7	Route 405 @ 2350 Skirball Center Drive	Los Angeles
McDonald Douglas	405	3.3	3855 Long Beach Bl. Conant&Clark	Long Beach,90846
Carson Mall	405	11.2	20700 S. Avalon Blvd.	Carson,90746
St John's Church	405	5.8	11000 National Blvd.	L.A.,90064
Congress. Church	405	23.3	7300 W. Manchester Ave	L.A., 90045

HOV VIOLATION FINES

The Judicial Council of California sets the fines and maintains the Uniform Bail and Penalty Schedule (UBPS) for traffic violations. In that schedule the fine is \$340 for violation of Section 21655.5(b) of the Vehicle Code.

The minimum fine is comprised of:

(a) Section 1464 of the Penal Code setting \$220 plus a \$20 surcharge and

(b) Section 42001.11 of the Vehicle Code setting a \$100 minimum to \$150 maximum for first offense, \$150 min to 200 max for second offense within 1 year, and \$250 to \$500 for third offense within 2 years.

(c) The additional \$1 assessment is under Section 42006 of the Vehicle Code for counties that have night court.

In addition, counties can assess an additional \$10 for administration, at the discretion of the county's board of supervisors, under Section 40508.6 of the Vehicle Code.

Also, Section 1463.28 of the Penal Code provides for 30 counties to exceed fines scheduled in the UBPS.

\$341 Minimum fine for first offense.

\$491 Minimum fine for second offense within one year.

\$741 Minimum fine for third offense within two years.

SUMMARY OF HOV FACILITIES

- ◆ **SUMMARY OF HOV OPERATIONS**
- ◆ **STATUS OF HOV PROJECTS**
- ◆ **CURRENT HOV VOLUMES**
- ◆ **TRAVEL TIME DATA (HOV Lane Time Savings)**
- ◆ **TOTAL NUMBER OF CARPOOLS ON FREEWAYS**
 (Comparison of Freeways with HOV Lanes vs. Freeways
 without HOV lanes)
- ◆ **CHANGES IN 2005 - 2006**
- ◆ **HOV PROJECTS SCHEDULED FOR COMPLETION IN 2006 – 2007**
- ◆ **HOV LANE LEGISLATION**

SUMMARY OF HOV OPERATIONS

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California State Department of Transportation - District 7
High Occupancy Vehicle System
STATUS OF HOV PROJECTS

ROUTE	E.A.	COST S (MIL)	FREEWAY MILES				OPENING DATE
			IN SERVICE	IN CONST.	IN DESIGN	IN PLANNING	
LA-10 17.0/28.0 Alameda to Baldwin Ave		58.00	11.00				1973
LA-91 6.4/16.7 Rte 110 to Rte 605 E/B			---				06/10/85
LA-91 6.4/16.9 Rte 110 to Rte 605 W/B	115864	0.70	10.50				03/11/93
LA-405 13.0/20.7 Rte 110 to 120th St	106734	8.30	7.70				04/08/93
LA-405 SB 0.0/2.2 Bellflower Bl to Rte 605	005854	4.80	---				10/2/93(6/97)
LA-105 2.2/18.2 Rte 405 to Rte 605		230.00	16.00				10/14/93
LA-210 25.0/43.8 Rte 134 to Sunflower Ave	129104	8.90	18.80				12/16/93
LA-405 20.2/22.2 120th St. to Century Bl	105 CCO	---	2.00				01/94
LA-91 15.8/20.7 Rte 605 to Ora. Co Line (S)	115834	0.90	4.90				11/94
LA-134 0.0/5.1 Rte 101/170 to Rte 5	120284	6.60	5.10				10/02/95
LA-170 14.5/20.6 Rte 101/134 to Rte 5	120274	7.30	6.10				02/11/96
LA-134 5.6/9.7 Rte 5 to Rte 2	107734	5.00	4.10				03/12/96
LA-210 HOV Drop Ramp at Fair Oaks Ave	019594	4.00	0.40				05/30/96
LA-110 9.8/20.5 Rte 91 to Adams Bl (Elev)		344.00	10.70				6/26/96(7/97)
LA-110 (110/105 HOV Direct Connector)		---					6/26/96(7/97)
LA-134 9.7/13.3 Rte 2 to Rte 210	118504	7.80	3.60				08/30/96
LA-405 38.6/48.6 Rte 101 to Rte 5	120334	15.10	10.00				10/22/96
LA-10 28.0/31.1 Baldwin Ave to Rte 605 (S)	008061	6.60	STAGE 1				Median Barrier
LA-10 31.1/33.5 Rte 605 to Puente Ave (S)	005881	---	STAGE 1				Median Barrier
LA-118 0.0/11.4 Ven Co Line to Rte 5 (S)	115054	23.20	11.40				03/07/97
LA-605 3.9/10.8 South St to Telegraph Rd	119394	14.10	6.90				04/02/97
LA-57 0.0/4.5 Orange Co Line to Rte 60	115034	18.20	4.50				08/22/97
LA-30 0.0/2.7 Sunflower Ave to Foothill Bl	119981	7.00	2.70				09/08/97
LA-405 0.2/7.9 Orange Co Line to Rte 710 (S)	116874	29.70	7.70				02/12/98
LA-605 10.8/20.7 Telegraph Rd to Rte 10	119944	17.30	9.90				04/03/98
LA-14 27.0/33.7 SF Rd. to Sand Cyn Rd (S)	116204	23.80	6.70				05/05/98
LA-405 7.6/13.7 Rte 710 to Rte 110	115174	28.20	6.10				10/08/98
LA-60 22.7/25.4 Brea Cyn Rd to Rte 57 N	119234	5.50	2.70				02/02/99
LA-60 25.4/30.5 57 N to SBD Co Line	115044	20.80	5.10				02/02/99
LA-14 33.4/44.0 Sand Cyn Rd to Escondido (S)	125604	31.80	10.60				09/23/99
LA-605 0.0/3.8 Ora. Co Line to South St.	1347U4	14.60	4.30				03/01
LA-405 31.9/39.7 Waterford to Rte 101 (SB Only)	1667U4	17.70	7.80				01/08/02
LA-14 44.0/54.5 Escondido to Pearl Blossom	117104	60.50	10.50				07/29/02
LA-14 24.8/27.0 Rte 5 to S.F. Road	119844	5.40	2.20				08/03/02
LA-210 2.5/8.3 Foothill Bl to SBD Co Line	105014	91.00	5.80				11/24/02
LA-10 42.4/48.3 Rte 57 to SBD Co Line	122404	77.30	5.90				11/13/03
LA-10 28.0/31.2 Baldwin Ave to Rte 605	1069U4	50.40	3.20				02/04/05
LA-405 21.3/26.4 Century Bl to Rte 90	1198U4	34.30	5.10				05/23/06
LA-14 54.5R/60.7R Pearl Blossom to Ave P-8	125204	32.30	6.20				08/18/06
LA-405 38.6/40.2 Burbank Bl to Ventura Bl (NB Only)	199623	4.70		1.60			10/06
LA-60 22.4R/25.0R (57/60 HOV Direct Connector)	1257U3	56.10		2.60			07/07
LA-405 29.5-32.2 Rte 10 to Waterford (SB Only)	195903	38.30		2.70			09/07
LA-405 25.9/29.5 Rte 90 to Rte 10	1178U3	126.10		3.60			12/07
LA-5 39.4/45.6 Rte 118 to Rte 14	122003	13.20		6.20			08/10
LA-71 0.5/4.5 Express-Freeway Conversion	210601	147.80			4.00		07/09
LA-5 44.2R/46.0R (5/14 HOV Direct Connector)	168001	108.50			1.80		10/10
LA-60 11.7/18.0 Rte 605 to Azusa Ave	1294U1	56.40			6.30		01/11
LA-60 18.0/23.0R Azusa Ave to Brea Cyn Rd	129421	15.20			5.00		01/11
LA-5 36.4/39.4 Rte 170 to Rte 118	121901	257.80			3.00		06/11
LA-5 (Rte 5/170 HOV Direct Connector)	121901	---					06/11
LA-10 31.2/33.4 Rte 605 to Puente Ave	117071	126.80			2.20		06/11
LA-5 26.7/36.4 Rte 134 to Rte 170	121801	161.20			9.70		07/11
LA-5 45.7/55.5 Rte 14 to Rte 126	23320K	224.90				9.80	07/13
LA-10 33.4/37.5 Puente Ave to Citrus St	117080	92.50				4.10	12/13
LA-10 37.5/42.4 Citrus St to Rte 57	119340	103.70				4.90	12/13
LA-60 11.1/13.2 (60/605 HOV Direct Connector)	23560K	244.10				2.10	01/15
LA-10 29.9/32.1 (10/605 HOV Direct Connector)	23570K	196.70				2.20	01/15
LA-5 41.6/41.6 (5/405 HOV Direct Connector)	17610K	84.90				1.00	07/16
LA-5 0.0/14.6 Ora. Co Line to Rte 710 (Ultimate)	2159A0	497.60				14.60	11/16
LA-405 28.8/39.0 Rte 10 to Rte 101	120300	640.90				10.20	02/17
LA-5 22.6/27.1 Rte 2 to Rte 134	12120K	136.00	Non-Programmed			4.50	03/09 (RTL)
LA-5 18.4/22.4 Rte 10 to Rte 2	12160K	158.00	Non-Programmed			4.00	03/09 (RTL)
LA-10 5.5/14.8 Rte 405 to Rte 110	12340K	155.00				9.30	06/16 (RTL)
LA-710 26.5/32.7R Rte 10 to Rte 210	02009K	---				6.20	
COLOR MAP SUBTOTAL - INTEGRATED PLAN		4957.50	236.20	16.70	32.00	72.90	357.80

S = Stip Project (State Money Involved)

No 'S' = Prop C (Federal Money Involved)

RTL = Ready To List

Rev Date 09/18/06

CURRENT HOV VOLUMES **

HOV LANE CAPACITY IS 1650 VPH

Route	Location	Post Mile	Count Date	2+ Peak Hourly Volume	3+ Peak Hourly Volume	Hybrid Veh. Peak Hourly Volume	Dir.	HOV Lane Peak Period	Peak 2 Hr HOV Volume	Occupancy Rqmt.	Peak Period Violation Rate	HOV ADT (vehicles)	Corridor HOV ADT
10	Jackson Ave.	25.09	3-29-06	1411***	1251	65	W/B	6:30-7:30 A.M.	2402	3+ (2+ off peak)	11.34%	13904	25799
	Jackson Ave.	25.09	4-12-06	1053	377	27	E/B	3:00-4:00 P.M.	1892	3+ (2+ off peak)	0.75%	11895	
14	Golden Valley	29.68	6-14-06	1225	258	18	S/B	6:30-7:30 A.M.	2189	2+ (1+ off peak)	0.97%	13159	25004
	Golden Valley	29.68	6-15-06	1269	183	29	N/B	4:30-5:30 P.M.	2302	2+ (1+ off peak)	0.08%	11845	
57	Pathfinder O.C.	3.16	6-13-06	1068	110	51	S/B	6:45-7:45 A.M.	2019	2+	0.00%	10914	21711
60	Pathfinder O.C.	3.16	6-14-06	968	170	18	N/B	3:45-4:45 P.M.	1937	2+	0.00%	10797	22871
	Phillips Ranch	28.04	4-6-06	1342	57	10	W/B	6:45-7:45 A.M.	2274	2+	0.00%	13858	
91	Phillips Ranch	28.04	6-21-06	899	71	9	E/B	3:45-4:45 P.M.	1714	2+	0.00%	9013	21712
	Wilmington Ave.	9.16	5-9-06	1394	152	95	W/B	7:00-8:00 A.M.	2544	2+	1.34%	11334	
105	Wilmington Ave.	9.16	5-24-06	1113	150	57	E/B	4:15-5:15 P.M.	2178	2+	0.09%	10378	32629
	Long Beach Blvd.	11.51	4-13-06	1337	236	30	W/B	6:45-7:45 A.M.	2599	2+	5.91%	17566	
110*	Long Beach Blvd.	11.51	4-18-06	1314	280	28	E/B	3:45-4:45 P.M.	2564	2+	0.68%	15063	59192
	Slauson P.O.C.	17.98	4-4-06	3102	336	166	N/B	7:15-8:15 A.M.	5859	2+	0.51%	29633	
118	Slauson P.O.C.	17.98	4-19-06	2636	275	98	S/B	4:30-5:30 P.M.	5127	2+	0.60%	29559	11802
	Reseda Ave.	5.81	4-25-06	1298	114	19	W/B	6:30-7:30 A.M.	2096	2+	0.00%	5718	
134	Reseda Ave.	5.81	5-17-06	1180	142	19	E/B	4:30-5:30 P.M.	2225	2+	0.25%	6084	15160
	Jackson Ave.	7.41	3-23-06	799	112	40	W/B	7:30-8:30 A.M.	1513	2+	2.44%	6725	
170	Jackson Ave.	7.41	6-13-06	882	124	35	E/B	4:30-5:30 P.M.	1718	2+	0.11%	8435	10795
	Sherman Way	18.27	4-11-06	987	67	19	S/B	6:30-7:30 A.M.	1819	2+	0.10%	5915	
210	Sherman Way	18.27	6-20-06	675	117	29	N/B	4:30-5:30 P.M.	1259	2+	0.00%	4880	23124
	Wilson Ave O.C.	26.57	3-22-06	1143	124	38	W/B	7:15-8:15 A.M.	2037	2+	2.97%	12629	
405	Wilson Ave O.C.	26.57	6-22-06	1373	141	34	E/B	3:30-4:30 P.M.	2639	2+	0.15%	10495	25665
	Second St. O.C.	39.12	3-28-06	1459	124	42	W/B	6:30-7:30 A.M.	2789	2+	2.73%	12161	
605	Second St. O.C.	39.12	4-5-06	1521	136	60	E/B	4:30-5:30 P.M.	2959	2+	0.13%	11859	26338
	Normandie	13.81	3-30-06	1316	139	82	N/B	6:30-7:30 A.M.	2514	2+	0.00%	11980	
405	Normandie	13.81	4-11-06	1365	169	47	S/B	3:45-4:45 P.M.	2246	2+	0.36%	13685	25665
	Burbank Blvd.	40.28	4-12-06	1348	166	42	S/B	6:30-7:30 A.M.	2313	2+	0.52%	9019	
605	Burbank Blvd.	40.28	6-6-06	1241	150	44	N/B	4:30-5:30 P.M.	2334	2+	0.16%	9226	26338
	Beverly Blvd.	14.42	5-31-06	1311	117	47	S/B	6:45-7:45 A.M.	2477	2+	0.15%	12305	
605	Beverly Blvd.	14.41	7-20-06	1492	147	44	N/B	3:45-4:45 P.M.	2750	2+	0.07%	14033	26338
	Average occupancy during peak hourly volume: 2+ facility is 2.2; 3+ facility is 3.2 (excluding buses and violators).										Total Vehicles / Day		
Note: ADT data is not necessarily taken at the same count locations.										Total People / Day		731184	
* 2 lane HOV facility.													

Travel Time Data (HOV Lane Time Savings)

ROUTE	LIMITS	LENGTH	PEAK DIRECTION	TRAVEL TIME		HOV LANE TIME SAVINGS
				Mixed Flow	HOV	
10 / San Bernardino Freeway	Alameda to Route 605	13.8 mi.	Westbound (AM)	35 min. - 18 sec.	16 min. - 31 sec.	19 minutes *
		14.0 mi.	Eastbound (PM)	36 min. - 20 sec.	19 min. - 30 sec.	17 minutes *
	Route 57 to S.B. Co. Line	5.4 mi.	Westbound (AM)	05 min. - 36 sec.	04 min. - 27 sec.	02 minutes *
		5.9 mi.	Eastbound (PM)	07 min. - 47 sec.	01 min. - 40 sec.	02 minutes *
14 / Antelope Valley Freeway	Route 5 to Pearlblossom	27.9 mi.	Southbound (AM)	28 min. - 26 sec.	25 min. - 19 sec.	04 minutes ****
		26.5 mi.	Northbound (PM)	32 min. - 44 sec.	24 min. - 13 sec.	09 minutes ****
57 / Orange Freeway	Route 60 to Orange Co. Line	3.4 mi.	Southbound (AM)	14 min. - 21 sec.	05 min. - 17 sec.	10 minutes
		3.6 mi.	Northbound (PM)	15 min. - 10 sec.	13 min. - 34 sec.	02 minutes
60 / Pomona Freeway	Brea Canyon to S.B. Co. Line	5.6 mi.	Westbound (AM)	15 min. - 09 sec.	09 min. - 41 sec.	06 minutes
		5.9 mi.	Eastbound (PM)	06 min. - 13 sec.	04 min. - 50 sec.	02 minutes
91 / Artesia Freeway	Route 110 to Route 710	5.3 mi.	Westbound (AM)	07 min. - 39 sec.	04 min. - 59 sec.	03 minutes *****
		4.6 mi.	Eastbound (PM)	14 min. - 57 sec.	08 min. - 32 sec.	07 minutes *****
	Lakewood/Clark to Ora. Co. Line	5.4 mi.	Westbound (AM)	15 min. - 12 sec.	06 min. - 05 sec.	10 minutes *****
		6.5 mi.	Eastbound (PM)	07 min. - 26 sec.	06 min. - 08 sec.	02 minutes *****
105 / Glenn Anderson (Century) Freeway	Route 405 to Route 605	15.5 mi.	Westbound (AM)	40 min. - 47 sec.	25 min. - 34 sec.	16 minutes
		15.7 mi.	Eastbound (PM)	41 min. - 21 sec.	33 min. - 12 sec.	09 minutes
110 / Harbor Freeway	Route 91 to Adams Blvd	9.8 mi.	Northbound (AM)	31 min. - 19 sec.	11 min. - 05 sec.	22 minutes
		9.6 mi.	Southbound (PM)	20 min. - 29 sec.	09 min. - 15 sec.	12 minutes
118 / Ronald Reagan Freeway	Route 5 to Ventura Co. Line	11.1 mi.	Westbound (AM)	14 min. - 08 sec.	09 min. - 35 sec.	05 minutes ***
		10.4 mi.	Eastbound (PM)	10 min. - 52 sec.	08 min. - 59 sec.	02 minutes ***
134 / Ventura Freeway	Route 5 to Route 210	7.7 mi.	Westbound (AM)	08 min. - 17 sec.	06 min. - 19 sec.	02 minutes
		8.1 mi.	Eastbound (PM)	11 min. - 26 sec.	07 min. - 10 sec.	05 minutes
	Route 101/170 to Route 5	4.7 mi.	Westbound (AM)	05 min. - 03 sec.	04 min. - 23 sec.	01 minute
		5.1 mi.	Eastbound (PM)	08 min. - 09 sec.	05 min. - 04 sec.	04 minutes
170 / Hollywood Freeway	Route 101/134 to Route 5	6.4 mi.	Southbound (AM)	19 min. - 50 sec.	07 min. - 47 sec.	13 minutes
		5.8 mi.	Northbound (PM)	19 min. - 59 sec.	09 min. - 53 sec.	11 minutes
210 / Foothill Freeway	Route 134 to S.B. Co. Line	27.5 mi.	Westbound (AM)	54 min. - 17 sec.	37 min. - 44 sec.	17 minutes
		27.3 mi.	Eastbound (PM)	59 min. - 32 sec.	46 min. - 44 sec.	13 minutes
405 / San Diego Freeway	Route 5 to Waterford	15.6 mi.	Southbound (AM)	58 min. - 20 sec.	35 min. - 58 sec.	23 minutes
	Route 101 to Route 5	8.3 mi.	Northbound (PM)	18 min. - 46 sec.	10 min. - 42 sec.	09 minutes
	Howard Hughes to Ora. Co. Line	24.6 mi.	Northbound (AM)	93 min. - 31 sec.	41 min. - 22 sec.	53 minutes **
		25.0 mi.	Southbound (PM)	80 min. - 17 sec.	52 min. - 30 sec.	28 minutes **
605 / San Gabriel River Freeway	Orange Co. Line to Route 10	20.7 mi.	Southbound (AM)	40 min. - 22 sec.	21 min. - 42 sec.	19 minutes
		19.9 mi.	Northbound (PM)	29 min. - 38 sec.	19 min. - 44 sec.	10 minutes

Data collected Tuesday, Wednesday, or Thursday in the peak direction during the months of May, June, and July 2006.
Travel time runs conducted at 7:30am and 5pm in the peak direction

* Effective 7/24/00, 3 or more persons per vehicle required during peak hours (5-9 a.m.; 4-7 p.m.; Mon - Fri.); In operation for less than 3 yrs. (Baldwin to Rte 605; Rte 57 to SBD Co. Line)

** In operation for less than 3 yrs. (Route 405...from Century Blvd to Howard Hughes Parkway)

*** This project included the addition of an HOV lane and regular freeway lane.

**** Part-time use of HOV lanes effective 01/01/01 (2+ during peak hours S/B 5-9am; N/B 3-7pm).

***** Temporary HOV lane closure. Travel time study was conducted from Ora. Co. Line to Clark Ave (5.4 mi.) and from Rte 710 to Rte 110 (5.3 mi.) W/B direction; From Rte 110 to Rte 710 (4.6 mi.) and from Lakewood Blvd to Ora. Co. Line (6.5 mi.) E/B direction.

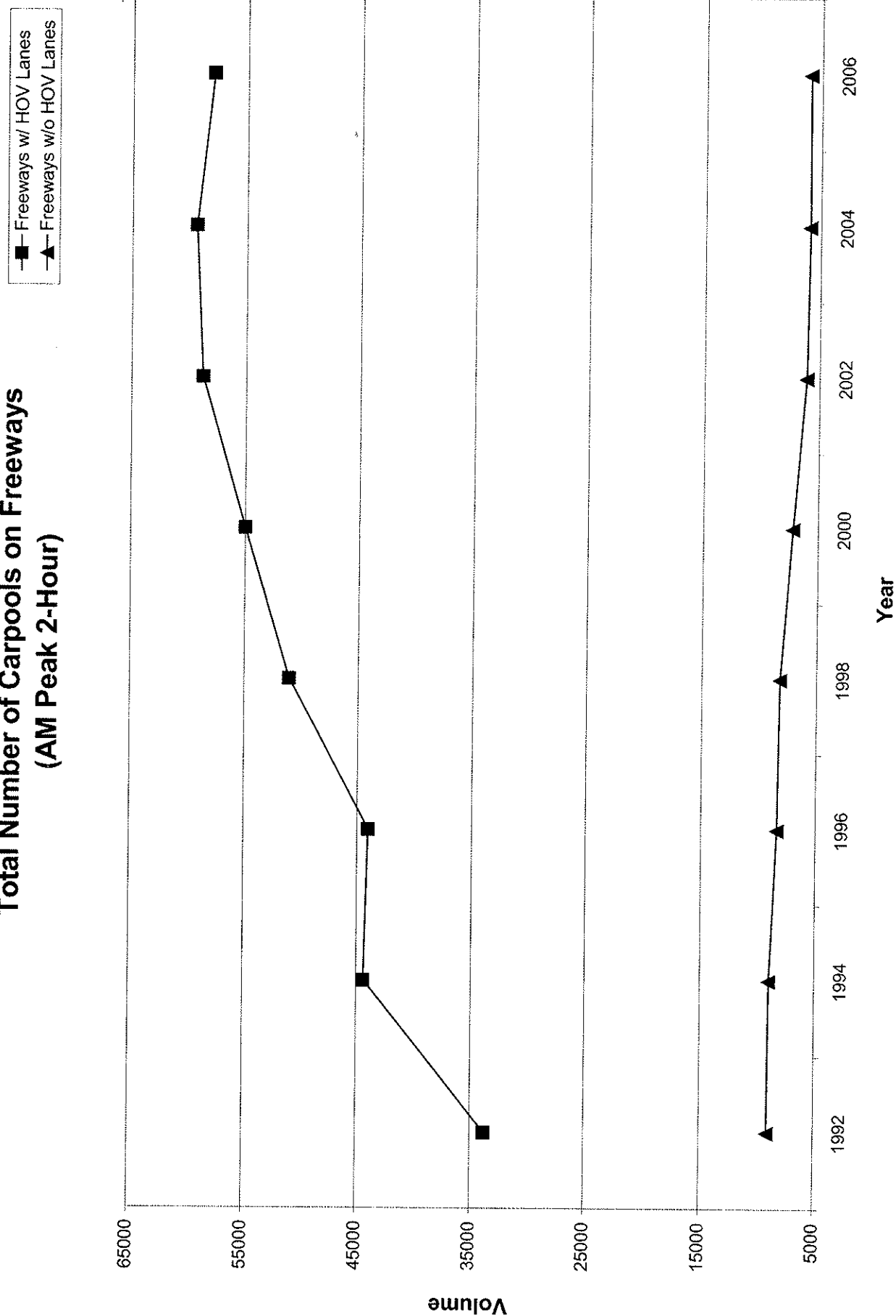
Number of Carpools on Freeways (AM Peak 2-Hour)

Route	Length (Centerline Miles)	Opening Date (Initial Segment)	Location	AM Peak 2-Hour Number of Carpools in HOV lanes							AM Peak 2-Hour Total Number of Carpools on freeway									
				Base Year 1992	1994	1996	1998	2000	2002	2004	2006	Base Year 1992	1994	1996	1998	2000	2002	2004	2006	
Freeways w/ HOV Lanes	10 *	20.1 Miles	Jan-73	Warwick	2312	1849	1139	1475	1683	1762	2155	1922	2294	1219	1550	1768	1817	2275	2290	
	14	35.9 Miles	May-98	Jackson	1722	1722	1879	1430	1870	2074	2284	2366	1812	1969	1476	1895	2119	2379	2466	
	57	4.5 Miles	Aug-97	Golden Valley	-	-	-	1491	2099	2184	1995	2111	1290	1834	1174	1971	2503	2370	2471	
	60	7.5 Miles	Feb-99	Pathfinder	-	-	-	1615	2006	2168	2216	1939	1420	1660	1315	2360	2271	2478	2394	
	91	14.3 Miles	Jun-85	Phillips Ranch	-	-	-	-	2548	2657	2373	2232	945	945	1121	2843	3262	2988	2902	
	105	16 Miles	Oct-93	Wilmington	-	1120	1952	2209	2679	2361	2431	2466	2185	2875	2777	3079	3191	2936	3031	
	110 *	10.7 Miles	Jun-96	Bloomfield	-	-	1449	1622	1838	2654	2654	2353	2105	1580	2504	2557	2663	3184	2968	
	118	11.4 Miles	Mar-97	Lakewood	-	1674	2232	2134	2402	2370	2305	2202	-	2642	2787	2629	2942	2843	2718	2645
	134	12.8 Miles	Mar-96	Long Beach	-	2444	2679	2908	2893	2931	2789	2497	-	3010	3395	3242	3294	3246	2984	2767
	170	6.1 Miles	Oct-95	Slauson	-	-	3084	5199	6427	5699	6330	5835	2585	3110	4144	5754	6992	6334	6880	6080
Freeways w/o HOV Lanes	210	27.2 Miles	Mar-96	Reseda	-	-	-	1004	1197	1905	2222	2060	1519	1391	1220	1909	1597	3235	3207	3115
	405	16.7 Miles	Porter Ranch	-	-	-	946	793	1068	1342	1310	1264	1628	1283	1836	2013	1813	2077	2100	
	605	20.7 Miles	Mar-96	Jackson	-	-	810	1260	1146	1356	1376	1451	2165	2320	2540	3075	1961	2571	1986	2801
	710	20.7 Miles	Feb-96	Pass	-	-	1016	1017	1071	1572	1473	1422	1760	2195	1721	1722	2041	2457	2258	2042
			Dec-93	Sherman Way	-	-	1102	1334	1503	1415	1755	1793	1650	2150	2137	2454	2303	3210	3560	3473
	405	26.4 Miles	Oct-96	2nd St.	-	2338	2721	2775	2608	2648	2789	2771	2215	3833	3801	3460	3158	3058	3289	3301
			Apr-93	Wilson	-	2186	1807	1807	1926	1860	2040	1978	3390	3392	3667	3601	2958	2952	2964	2770
	605	20.7 Miles	Apr-93	Burbank	-	-	1529	1851	1576	2361	2136	2234	1495	2115	2084	2581	1901	3291	2931	2704
			Apr-97	Normandie	-	1021	1578	2034	2638	2616	2267	2455	2311	2311	2238	2294	3073	2676	2882	2765
	Freeways w/o HOV Lanes	Total	% Change From Base Year	Beverly	-	-	-	949	2369	2323	2422	2395	1280	1280	1095	2369	2959	2548	2882	2830
4034					14354	24977	35060	43272	45984	47354	45792	33753	44377	44015	51040	54949	58788	59391	57915	
Freeways w/o HOV Lanes	Total	% Change From Base Year	Trentway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				2070	1230	1230	1670	1785	1425	1475	1210									
				2370	2280	2030	1425	1690	1305	1275	1370									
				2140	3036	2592	2508	2262	2496	1812	1938									
Freeways w/o HOV Lanes	Total	% Change From Base Year	Gage	2465	2400	2500	2585	1460	875	1325	1430									
				9045	8946	8352	8188	7197	6101	5887	5948									
				-	-1%	-8%	-9%	20%	-33%	-35%	-34%									

Note: For statistical purposes, if the data of the year is not available and the facility was open at the time, the data for the following year is used.

* Volume for Carpools, Vanpools, and Buses. All other volumes are Carpools and Vanpools only. Violators excluded

Total Number of Carpools on Freeways (AM Peak 2-Hour)

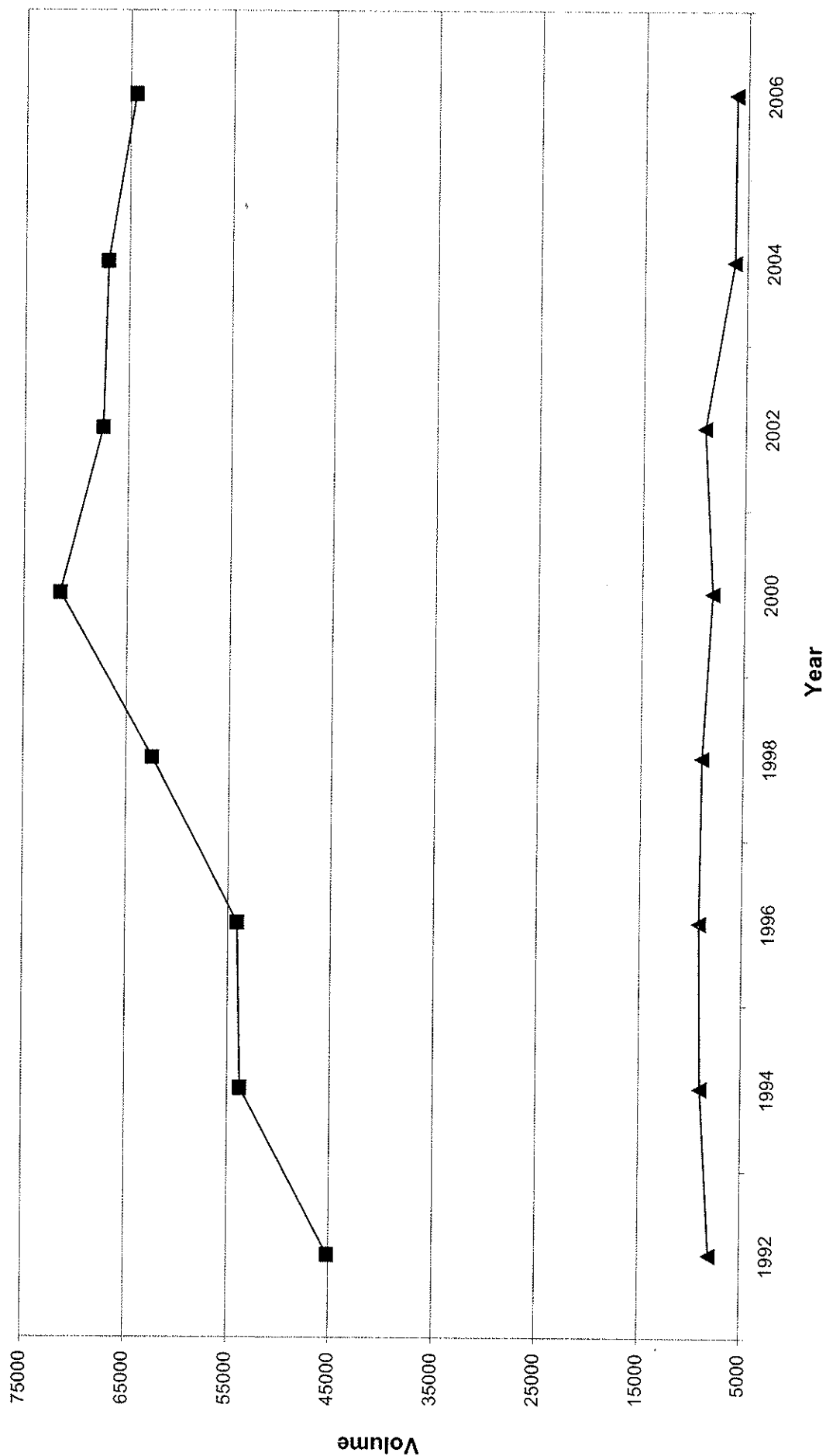


Note: The volume on freeways w/ HOV lanes is the total carpool volume at various locations on freeways, I-10, SR-14, SR-57, SR-60, SR-91, I-105, I-110, SR-118, SR-134, SR-170, I-210, I-405, and I-605.
The volume on freeways w/o HOV lanes is the total carpool volume at various locations on freeways, SR-2, I-5, US-101, and I-710.

Number of Carpools on Freeways (PM Peak 2-Hour)

Route	Length (Centerline Miles)	Opening Date (Initial Segment)	Location	PM Peak 2-Hour Number of Carpools in HOV lanes						PM Peak 2-Hour Total Number of Carpools on freeway									
				Base Year 1992	1994	1996	1998	2000	2002	2004	2006	Base Year 1992	1994	1996	1998	2000	2002	2004	2006
Freeways w/ HOV Lanes	10 *	Jan-73	Warwick	1956	1789	1858	1878	2194	2102	2596	2343	2550	2377	2113	2100	2739	2902	3236	3103
	14	May-98	Jackson	1972	1972	1709	1575	1926	2290	1686	1867	2322	2322	1834	1740	2476	2960	2266	2662
	57	Aug-97	Golden Valley	-	-	-	1828	2047	2080	2336	2225	1768	1460	1834	3088	3292	2568	2775	2654
	60	Feb-99	Pathfinder	-	-	-	1590	2397	2196	2626	1863	2305	2505	1475	2815	3427	3151	2866	2925
	91	Jun-85	Phillips Ranch	2683	1125	2657	2378	2669	2242	1993	2104	4653	2975	2881	3828	3754	3392	3068	2879
			Bloomfield	-	-	1926	1432	2617	2904	2804	2008	2655	2110	3821	3252	3837	3989	3989	2723
	105	Oct-93	Lakewood	-	1757	2105	2055	2127	2320	2630	2343	-	3145	2776	3053	3031	3059	3421	3101
	110 *	Jun-96	Long Beach	-	2176	2637	2517	2543	2555	2521	2453	-	3541	3425	3297	3402	3151	3114	3188
	118	Mar-97	Slauson	-	-	2788	3904	4997	4677	5285	5064	3270	3270	4708	5544	6332	5902	6515	6379
			Reseda	-	-	-	779	1478	1761	2314	2174	1609	1609	1609	2054	3218	3166	3139	3679
Freeways w/o HOV Lanes	134	Mar-96	Porter Ranch	-	-	-	751	1315	1818	1950	1966	1984	2126	1789	2301	3090	3233	2800	2876
			Jackson	-	-	1200	1547	1931	1553	1785	1653	3020	2420	2555	3717	3046	3093	3005	2718
	170	Oct-95	Pass	-	-	1068	1075	1411	1337	1416	1294	1955	2445	2488	2320	2716	2287	2446	2639
		Feb-96	Sherman Way	-	-	868	1007	998	978	1697	1217	1915	2025	2023	2437	2038	1963	2572	2102
	210	Dec-93	2nd St.	-	2451	2422	2691	2824	2646	3194	2924	3150	4686	4002	3906	4539	3840	4044	3854
			Wilson	-	2209	2524	2603	3245	2450	2715	2536	3432	4759	4816	5273	5459	4406	4137	3616
	405	Oct-96	Burbank	-	-	1141	1558	2306	2271	2259	2261	2705	3215	2856	3568	3746	3096	3364	4076
		Apr-93	Normandie	-	1536	1536	2049	2717	2783	2283	2194	2205	2205	2816	3559	4087	3998	3018	3149
	605	Apr-97	Beverly	-	-	-	1286	3092	2957	3496	2676	2305	3155	2695	2721	3757	3647	4391	3551
	Total				6611	15015	26439	34503	47268	46272	49812	44819	45172	53719	54087	62474	71495	67440	67037
% Change From Base Year																			
2			Trentway																
5			Greenwood																
101			Encino																
710			Gage																
Total																			
% Change From Base Year																			

Total Number of Carpools on Freeways (PM Peak 2-Hour)



Note: The volume on freeways w/ HOV lanes is the total carpool volume at various locations on freeways, I-10, SR-14, SR-57, SR-60, SR-91, I-105, I-110, SR-118, SR-134, SR-170, I-210, I-405, and I-605.
The volume on freeways w/o HOV lanes is the total carpool volume at various locations on freeways, SR-2, I-5, US-101, and I-710.

CHANGES IN 2005 - 2006

The following is a list of new HOV facilities which opened in the year 2005/2006:

- In February 2005, 6.4 lane-miles of carpool lanes opened on the San Bernardino Freeway (Route 10) between Baldwin Ave and San Gabriel River Freeway (Route 605).
- In May 2006, 10.2 lane-miles of carpool lanes opened on the San Diego Freeway (Route 405) between Century Boulevard and Imperial Highway (Route 90).
- In August 2006, 12.4 lane-miles of carpool lanes opened on the Antelope Valley Freeway (Route 14) between Pearblossom Hwy and Avenue P-8.

The following is a list of HOV facilities under construction in the year 2006:

- San Diego Freeway (Route 405), 1.6 lane-miles of carpool lane between Burbank Boulevard and Ventura Boulevard, northbound direction only. Expected to open in October 2006.
- Pomona Freeway (Route 60) / Orange Freeway (Route 57) HOV lane direct connector, 5.2 lane-miles. Expected to open in July 2007.
- San Diego Freeway (Route 405), 2.7 lane-miles of carpool lane between Santa Monica Freeway (Route 10) and Waterford, southbound direction only. Expected to open in September 2007.
- San Diego Freeway (Route 405), 7.2 lane-miles of carpool lanes between Marina Freeway (Route 90) and Santa Monica Freeway (Route 10). Expected to open in December 2007.
- Golden State Freeway (Route 5), 12.4 lane-miles of carpool lanes between Ronald Reagan Freeway (Route 118) and Antelope Valley Freeway (Route 14). Expected to open in August 2010.

HOV lane legislation:

- Assembly Bill 2628 (AB 2628) was signed by the Governor and became law on January 1, 2005, with a sunset date of January 1, 2008. This bill allows hybrid vehicles meeting specified criteria to use the High Occupancy Vehicle (HOV) lanes regardless of the number of occupants. The Department of Motor Vehicles' decal must be displayed on the vehicle to qualify for the exemption. The bill prohibits the Department of Motor Vehicles (DMV) from issuing more than 75,000 decals for specified hybrid vehicles. See AB 2628 for details.
- Assembly Bill 2600 (AB 2600) was signed by the Governor on September 29, 2006, which extends the HOV lane provisions of AB 2628. AB 2600 increases the number of carpool decals available for qualified hybrid vehicles by 10,000 to 85,000 decals. It also extends the sunset date of the program by three years to January 1, 2011.

**HOV PROJECTS
SCHEDULED FOR COMPLETION IN 2006 - 2007**

<u>ROUTE</u>	<u>POST MILE</u>	<u>PROJECT LIMITS</u>	<u>OPENING DATE</u>
LA-405	38.6/40.2	Burbank BI to Ventura BI (N/B only)	October 2006
LA-60	22.4R/25.0R	Rte 57/Rte 60 HOV Direct Connector	July 2007
LA-405	29.5/32.2	Rte 10 to Waterford (Southbound only)	September 2007
LA-405	25.9/29.5	Route 90 to Route 10	December 2007

HOV LANE LEGISLATION

- Senate Bill 63 (SB 63) which became effective January 1, 2000, reduced the minimum occupancy requirement from 3 to 2 persons per vehicle on the I-10 El Monte Busway, on a 24-hour basis. Signs were changed and the facility was monitored through electronic counts, tachometer runs, and manual counts for six months. The Department submitted an operational report to the Legislature. The conclusion – The HOV facility became congested for a couple of hours during the morning and afternoon peak periods; Buffer violations increased from vehicles exiting the congested HOV lane; Observed a significant reduction of 3-person carpools; Public inquiries increased to various agencies and officials regarding the facility.
- Assembly Bill 71 (AB 71) which became effective July 1, 2000, allowed certain clean air vehicles to use the State's HOV system, regardless of the number of people in the vehicle. The Department of Motor Vehicles' decal must be displayed on the vehicle to qualify for the exemption. Signs were installed on all HOV facilities in California.
- Assembly Bill 769 (AB 769) which became effective July 24, 2000, overrode Senate Bill 63, and restored the 3 or more occupancy requirement during the peak hours, on the I-10 El Monte Busway. Senate Bill 63 had attracted too many users to the HOV lane and caused considerable congestion to peak hour traffic. These delays were conveyed to elected officials and various agencies. The 3 or more persons requirement is currently in effect Monday through Friday from 5-9a.m. and 4-7p.m.; The 2-person carpools are allowed to use the HOV lanes all other times. Signs were changed and the facility was monitored for five months. The Department submitted an operational report to the Legislature. The conclusion – The facility is no longer congested, however the occupancy violation rate in the peak period sometimes reaches 50%; More regulatory signs displaying the hours and occupancy requirement were added to the facility; Implemented increased presence and enforcement by the California Highway Patrol. The 3+/2+ variable occupancy HOV lane is still in effect with FHWA approval.
- Assembly Bill 1871 (AB 1871) which became effective January 1, 2001, began an 18-month demonstration project to evaluate part-time use of the HOV lanes on State Route 14 between Santa Clarita and Palmdale. This project only allows carpools in the HOV lanes during peak periods (Southbound, 5-9a.m. and Northbound, 3-7p.m., Monday - Friday). Solo drivers are allowed to use the HOV lanes all other times. The double-yellow buffer lines will remain throughout the demonstration, and users still need to observe the designated openings for entering and exiting the HOV lanes. Some of the openings (ingress/egress locations) were lengthened in April 2001 to provide more access on the steep uphill grades of the facility. FHWA has agreed with the recommendation of Caltrans to continue with the part-time operation of HOV lanes on SR-14 freeway until such time as needed to convert to full-time, given the Route 5/14 direct connectors will be completed in the year 2010.
- Assembly Bill 2628 (AB 2628) was signed by the Governor and became law on January 1, 2005, with a sunset date of January 1, 2008. This bill allows hybrid vehicles meeting specified criteria to use the High Occupancy Vehicle (HOV) lanes regardless of the number of occupants. The Department of Motor Vehicles' decal must be displayed on the vehicle to qualify for the exemption. The bill prohibits the Department of Motor Vehicles (DMV) from issuing more than 75,000 decals for specified hybrid vehicles. See AB 2628 for details.
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HOV SYSTEM STATUS MAP

- ◆ **LOS ANGELES COUNTY**
- ◆ **INTERREGIONAL** (Los Angeles, Orange, Riverside, and San Bernardino County)

FACT SHEET AND INGRESS/EGRESS MAP



FACT SHEET

ROUTE 10 SAN BERNARDINO FREEWAY EL MONTE BUSWAY

Project Limits & Length:	FROM ALAMEDA ST TO BALDWIN AVE	11 MILES
	FROM ROUTE 57 TO SAN BERNARDINO CO. LINE	5.9 MILES
	FROM BALDWIN AVE TO ROUTE 605	3.2 MILES
Date of Opening:	FROM ALAMEDA ST TO BALDWIN AVE	JAN 1973
	FROM ROUTE 57 TO SAN BERNARDINO CO. LINE	NOV 13, 2003
	FROM BALDWIN AVE TO ROUTE 605	FEB 4, 2005
Cost:	FROM ALAMEDA ST TO BALDWIN AVE	\$58.0 MILLION
	FROM ROUTE 57 TO SAN BERNARDINO CO. LINE	\$77.3 MILLION
	FROM BALDWIN AVE TO ROUTE 605	\$50.4 MILLION
Current Peak Hr Volume:	1251 VEHICLES @ JACKSON (HOV 3+)	
Park & Ride Facilities: (Lot No./Lot Name)	29/Fire station; 115/United Meth Church; 20/United Meth Church 88/Garey/Rte 10; 87/Indian Hills Market Place.	
Number of Ingress/Egress:	FROM ALAMEDA ST TO ROUTE 605	4 E/B, 6 W/B
	FROM ROUTE 57 TO SAN BERNARDINO CO. LINE	2 E/B, 3 W/B

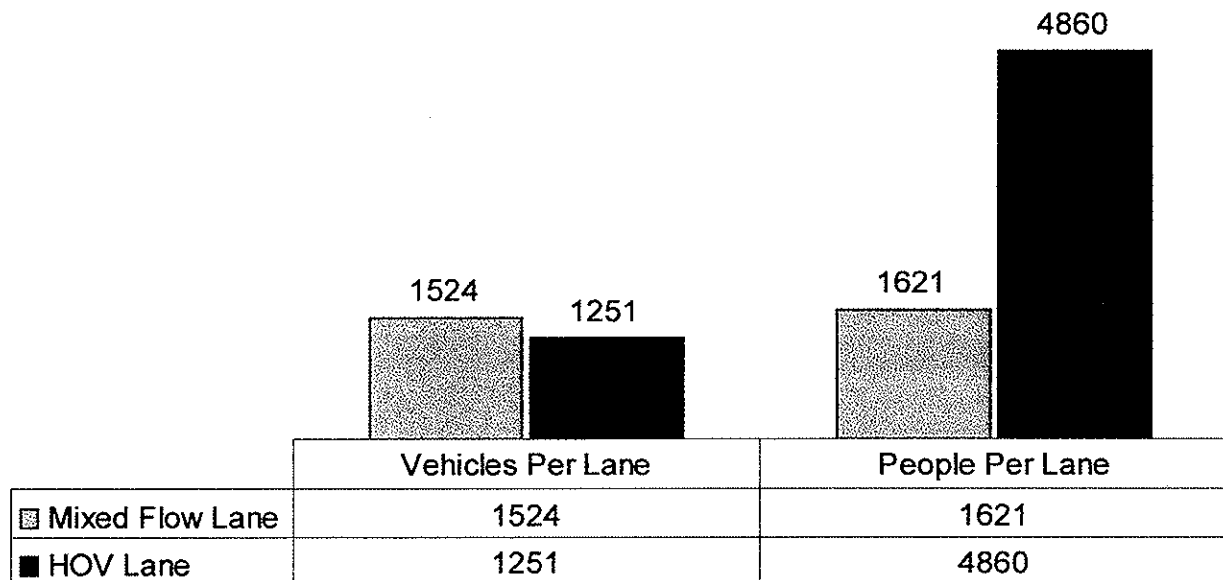
Unique Features:

Fly over on & off ramps at Del Mar. Bus only connectors to and from I-710 north of I-10; Four on line stations at El Monte, University, Hospital, and Union Station.

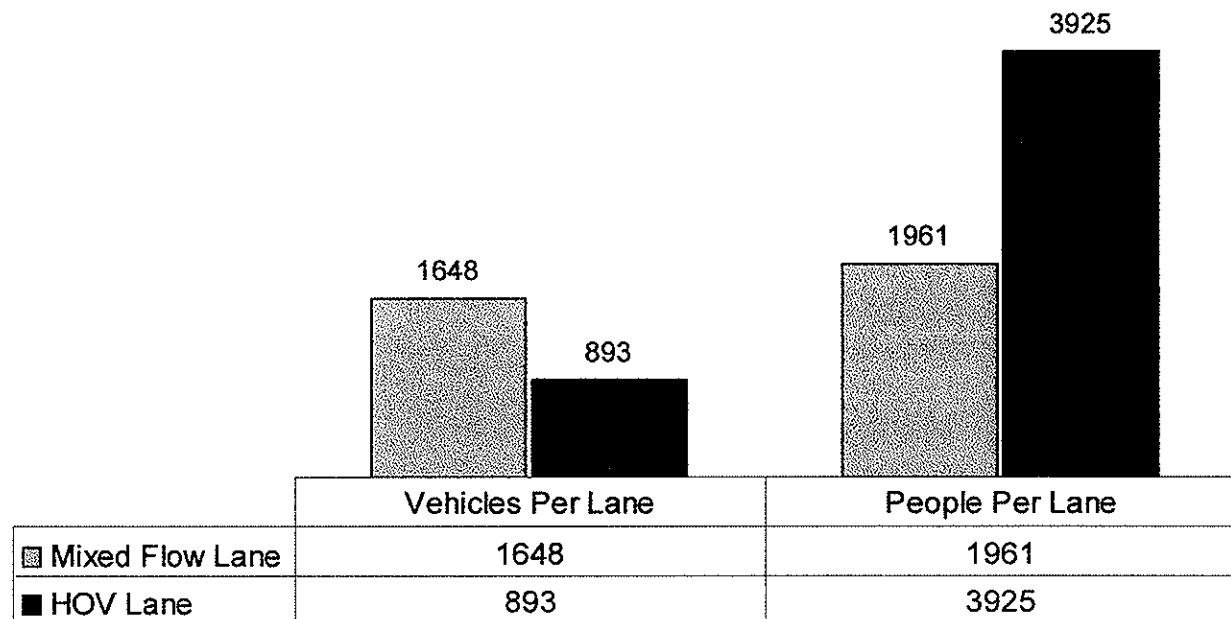
SB 63 – Authored by Senator Solis – approved and was enacted January 1, 2000, which lowered the occupancy requirement from 3 or more to 2 or more persons per vehicle. Caltrans and MTA studies have predicted detrimental affects on the operation of the facility.

AB 769 – Effective July 24, 2000, overrode SB 63 and restored the 3 or more occupancy requirements during peak hours. SB 63 had attracted too many users to the HOV lane and caused considerable congestion to peak hour traffic. The 3 or more persons requirement is currently in effect Monday through Friday 5:00 – 9:00 A.M. and 4:00 – 7:00 P.M.

PEAK HOURLY VOLUME COMPARISON



Location: LA-10-W/B @ Jackson Ave
 Date/Time: 03-29-06 / 6:30-7:30 AM



Location: LA-10-E/B @ Jackson Ave
 Date/Time: 04-12-06 / 4:00-5:00 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 10

Co. Rte. Dir.	LA - 10 - WB	LA - 10 - EB
Location	JACKSON	See 2+/3+ P.M. Summary Sheet
Post Mile	25.09	21.86
Date	03/29/06	01/00/00
HOV Peak Hour	6:30 - 7:30 AM	0:00 - 0:00 PM
Occupancy Requirement	3 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1143	0
Vanpools	31	0
Buses	63	0
Motorcycles	14	0
HOV lane Violators	160	0
Total Vehicles in HOV Lane	1411	0
Carpools Using Mainline	25	0
HOV People Summary		
People in Carpool & Vanpools	3652	0
People in Buses	1194	0
People on Motorcycles	14	0
Violators	304	0
Total HOV People	5164	0
Mainline Summary		
Mixed-Flow lanes	4	5
Mixed-flow Vehicles	6095	0
Mixed-Flow People	6485	0
Mixed-Flow People/Lane	1621	0
Trucks on Mainlines	215	0
Freeway Summary		
Total Mixed-Flow People	6485	0
Total HOV People	5164	0
Total Freeway People	11649	0
Percent Carried in HOV Lane	44.33%	#DIV/0!
Percent Carried per Mixed-Flow Lane	13.92%	#DIV/0!
Occupancy		
HOV Occupancy	3.66	#DIV/0!
Mainline Occupancy	1.06	#DIV/0!
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	3.19	#DIV/0!

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

9/7/2006 10:01 AM

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CALTRANS - DISTRICT 7
HOV Operation on Route 10

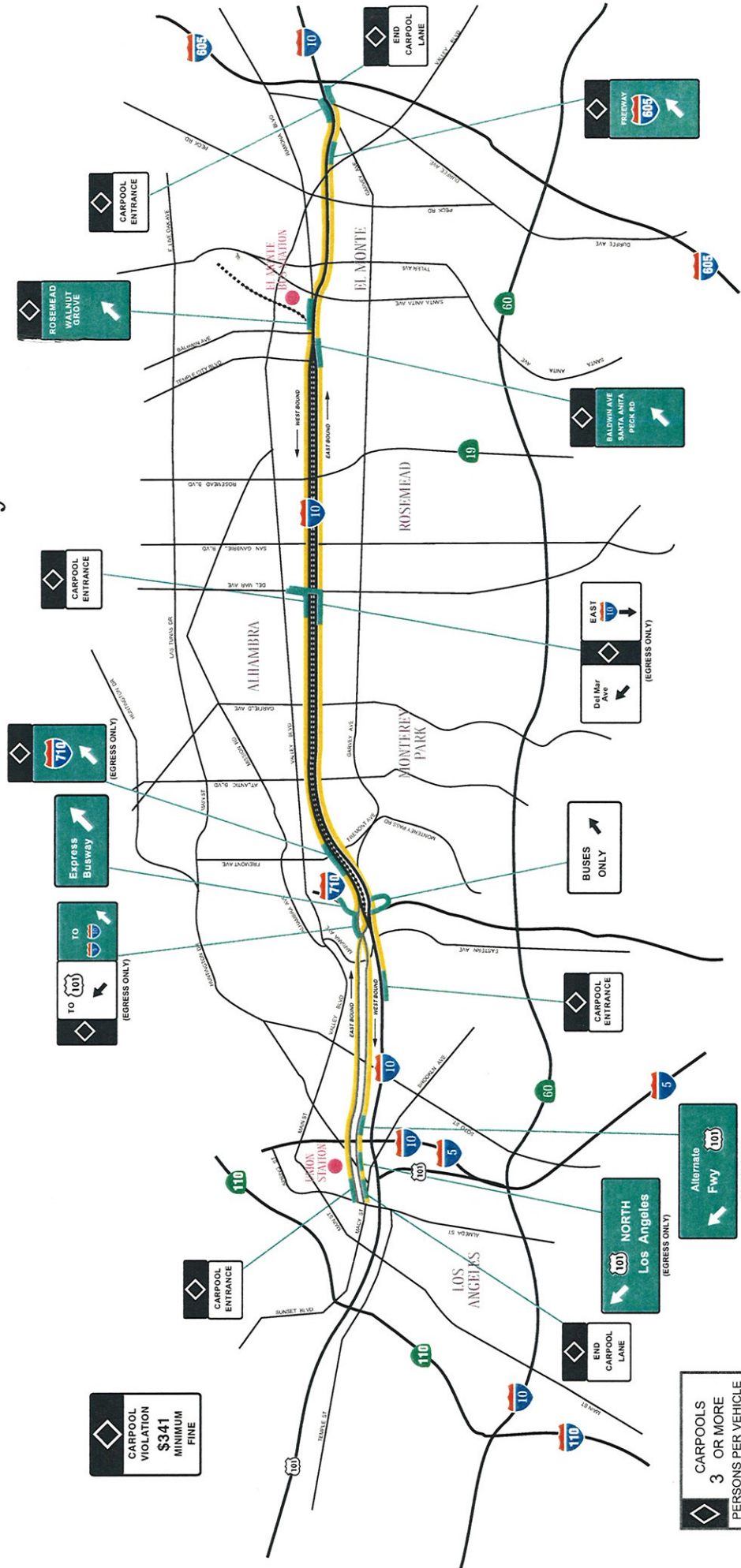
Co. Rte. Dir.	LA - 10 - EB	LA - 10 - EB
Location	JACKSON	JACKSON
Post Mile	25.09	25.09
Date	04/12/06	04/12/06
HOV Peak Hour	15:00 - 16:00 PM	16:00 - 17:00 PM
Occupancy Requirement	2 +	3 +
HOV VEHICLE SUMMARY		
Carpools	931	736
Vanpools	45	71
Buses	36	47
Motorcycles	41	39
HOV lane Violators	8	188
Total Vehicles in HOV Lane	1061	1081
Carpools Using Mainline	655	140
HOV People Summary		
People in Carpool & Vanpools	2419	2684
People in Buses	1061	1202
People on Motorcycles	41	39
Violators	8	363
Total HOV People	3529	4288
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	6535	6590
Mixed-Flow People	7380	7845
Mixed-Flow People/Lane	1845	1961
Trucks on Mainlines	164	143
Freeway Summary		
Total Mixed-Flow People	7380	7845
Total HOV People	3529	4288
Total Freeway People	10909	12133
Percent Carried in HOV Lane	32.35%	35.34%
Percent Carried per Mixed-Flow Lane	16.91%	16.16%
Occupancy		
HOV Occupancy	3.33	3.97
Mainline Occupancy	1.13	1.19
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.91	2.19

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.
9/7/2006 10:01 AM C:\CountData\LA 10 JACKSON +2+3 4-12-06 PM.xls



SAN BERNARDINO FREEWAY HOV LANE

Alameda St. to San Gabriel River Freeway



California Department of Transportation District 7, Los Angeles and Ventura Counties 100 S. Main St., Los Angeles, CA 90012
Rideshare Information (800) COMMUTE Bike Lockers (213) 897-0235

10_HOV.FH11 3/15/2005

	CARPools
	3 OR MORE
	PERSONS PER VEHICLE
	MON-FRI 5 - 9 AM
	4 - 7 PM
	2 OR MORE
	ALL OTHER TIMES



California Department of Transportation · District 7, Los Angeles and Ventura Counties · 100 S. Main St., Los Angeles, CA 90012
Rideshare Information (800) COMMUTE · Bike Lockers (213) 897-0235

District 7 Graphic Services • 10 HOVegresing • 9/19/06



FACT SHEET

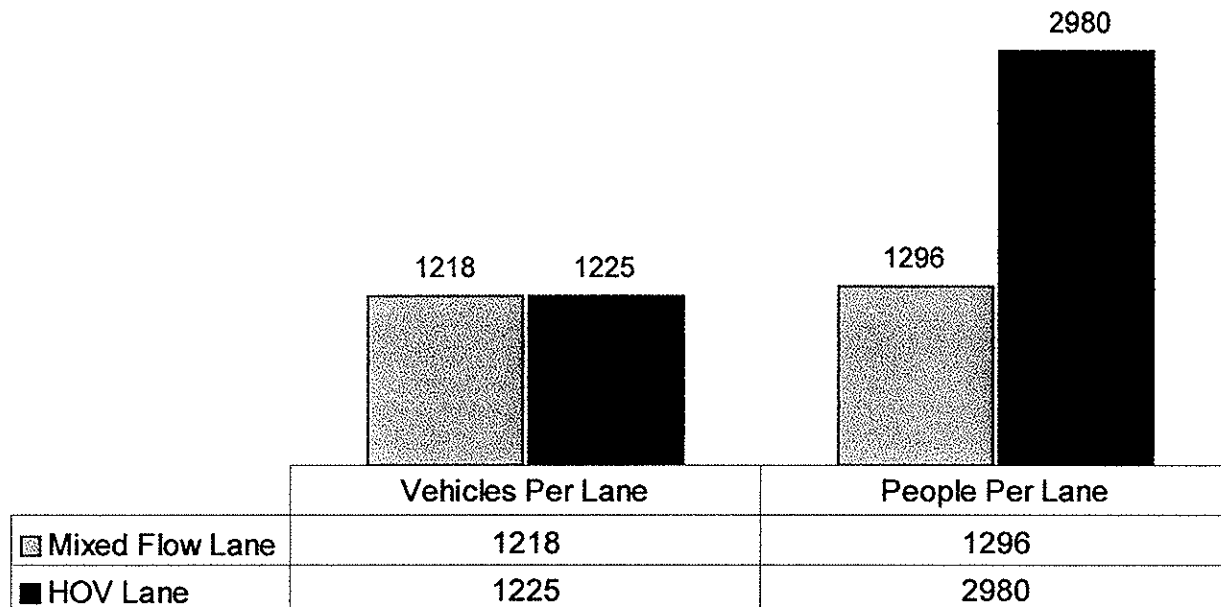
ROUTE 14 ANTELOPE VALLEY FREEWAY

Project Limits & Length:	FROM SAN FERNANDO RD TO SAND CANYON	6.7 MILES
	FROM SAND CANYON TO ESCONDIDO	10.6 MILES
	FROM ESCONDIDO TO PEARBLOSSOM	10.5 MILES
	FROM ROUTE 5 TO SAN FERNANDO RD	2.2 MILES
	FROM PEARBLOSSOM TO AVE P-8	6.2 MILES
Date of Opening:	FROM SAN FERNANDO RD TO SAND CANYON	MAY 5, 1998
	FROM SAND CANYON TO ESCONDIDO	SEP. 23, 1999
	FROM ESCONDIDO TO PEARBLOSSOM	JUL. 29, 2002
	FROM ROUTE 5 TO SAN FERNANDO RD	AUG. 3, 2002
	FROM PEARBLOSSOM TO AVE P-8	AUG. 18, 2006
Cost:	FROM SAN FERNANDO RD TO SAND CANYON	\$23.8 MILLION
	FROM SAND CANYON TO ESCONDIDO	\$31.8 MILLION
	FROM ESCONDIDO TO PEARBLOSSOM	\$60.5 MILLION
	FROM ROUTE 5 TO SAN FERNANDO RD	\$5.4 MILLION
	FROM PEARBLOSSOM TO AVE P-8	\$32.3 MILLION
Current Peak Hr Volume:	1269 VEHICLES @ GOLDEN VALLEY	
Park & Ride Facilities: (Lot No./Lot Name)	69/Newhall-East Lot; 71/Oak Creek; 99/Golden Valley; 81/Pearblossom Lot No./Ave S & Geiger Ave; 52/Ave K at Route 14	
Number of Ingress/Egress:	FROM PEARBLOSSOM TO ROUTE 5	10 N/B, 12 S/B

Unique Features:

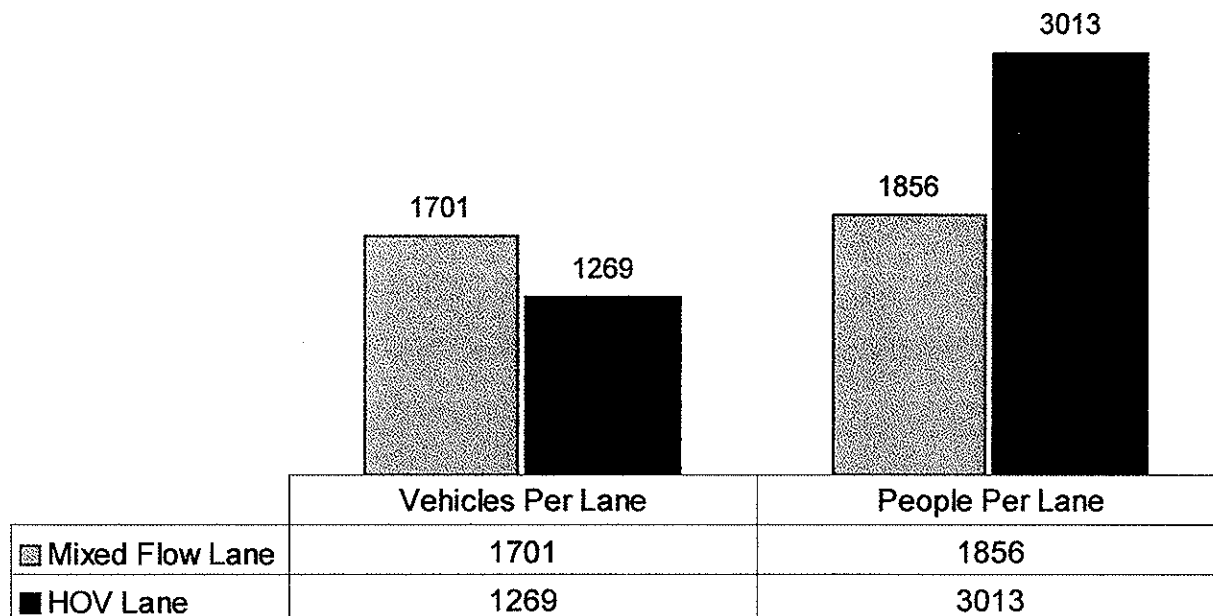
AB 1871 - Effective January 1, 2001, began an 18-month demonstration project to evaluate part-time use of the HOV lanes on State Route 14. This project only allows carpools in the HOV lanes during peak periods (Southbound, 5-9a.m. and Northbound, 3-7p.m., Monday - Friday). Solo drivers are allowed to use the HOV lanes all other times. The double-yellow buffer lines will remain throughout the demonstration, and users still need to observe the designated openings for entering and exiting the HOV lanes. Some of the openings (ingress/egress locations) were lengthened in April 2001 to provide more access on the steep uphill grades of the facility. FHWA has agreed with the recommendation of Caltrans to continue with the part-time operation of HOV lanes on SR-14 freeway until such time as needed to convert to full-time, given the 5/14 direct connectors will be completed in the year 2010.

PEAK HOURLY VOLUME COMPARISON



Location: LA-14-S/B @ Golden Valley

Date/Time: 06-14-06 / 6:30-7:30 AM



Location: LA-14-N/B @ Golden Valley

Date/Time: 06-15-06 / 4:30-5:30 PM

Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 14

Co. Rte. Dir.	LA - 14 - SB	LA - 14 - NB
Location	GOLDEN VALLEY	GOLDEN VALLEY
Post Mile	29.68	29.68
Date	06/14/06	06/15/06
HOV Peak Hour	6:30 - 7:30 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1164	1170
Vanpools	11	52
Buses	10	7
Motorcycles	40	40
HOV lane Violators	12	1
Total Vehicles in HOV Lane	1237	1270
Carpools Using Mainline	203	409
HOV People Summary		
People in Carpool & Vanpools	2619	2753
People in Buses	321	220
People on Motorcycles	40	40
Violators	12	1
Total HOV People	2992	3014
Mainline Summary		
Mixed-Flow lanes	3	3
Mixed-flow Vehicles	3653	5104
Mixed-Flow People	3889	5569
Mixed-Flow People/Lane	1296	1856
Freeway Summary		
Total Mixed-Flow People	3889	5569
Total HOV People	2992	3014
Total Freeway People	6881	8583
Percent Carried in HOV Lane	43.48%	35.12%
Percent Carried per Mixed-Flow Lane	18.84%	21.63%
Occupancy		
HOV Occupancy	2.42	2.37
Mainline Occupancy	1.06	1.09
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	2.31	1.62

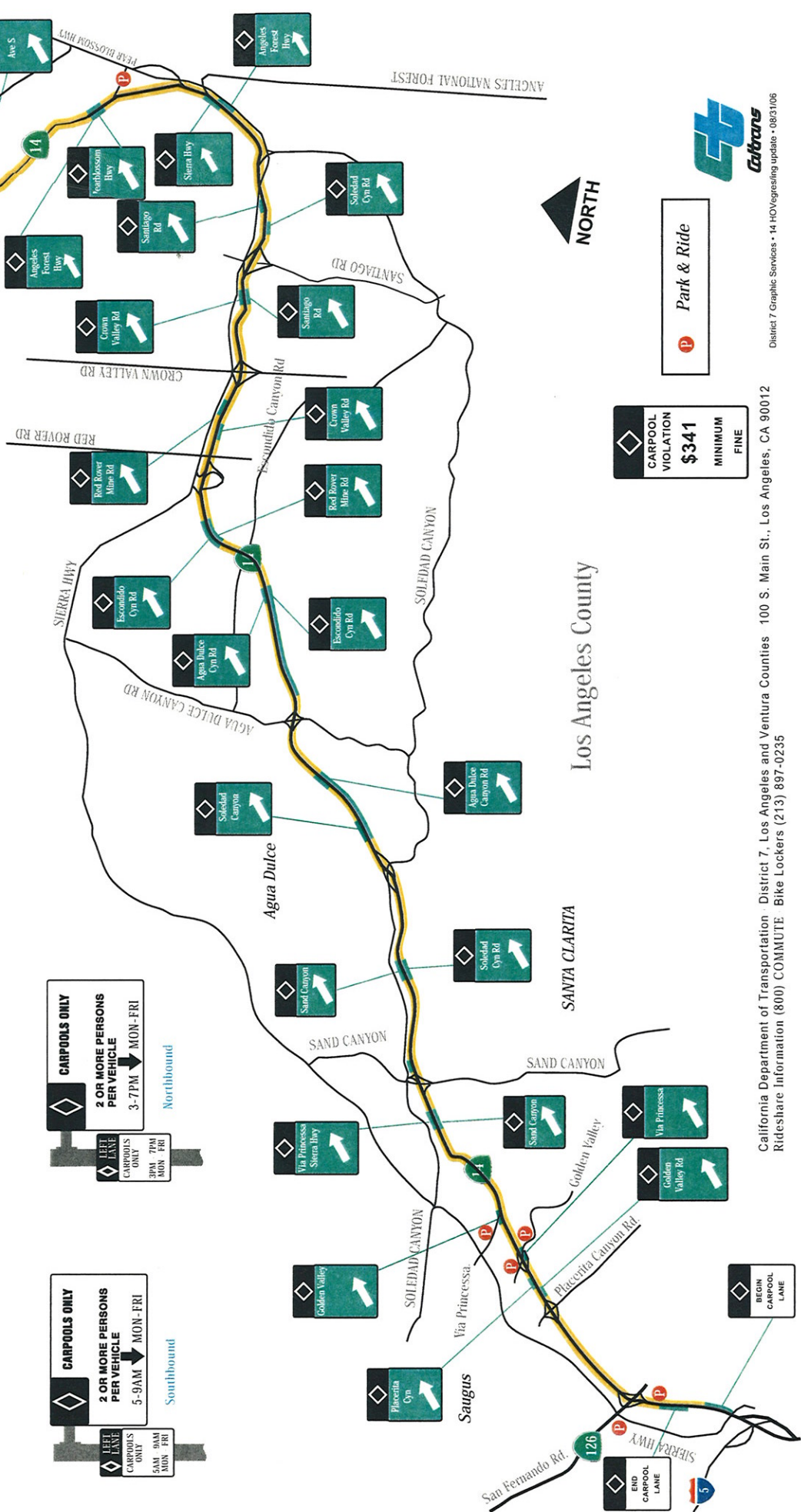
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

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14 ANTELOPE VALLEY FREEWAY HOV LANE

Golden State Freeway (Rte 5) to Avenue P-8



California Department of Transportation · District 7, Los Angeles and Ventura Counties 100 S. Main St., Los Angeles, CA 90012
 Rideshare Information (800) COMMUTE Bike Lockers (213) 897-0235



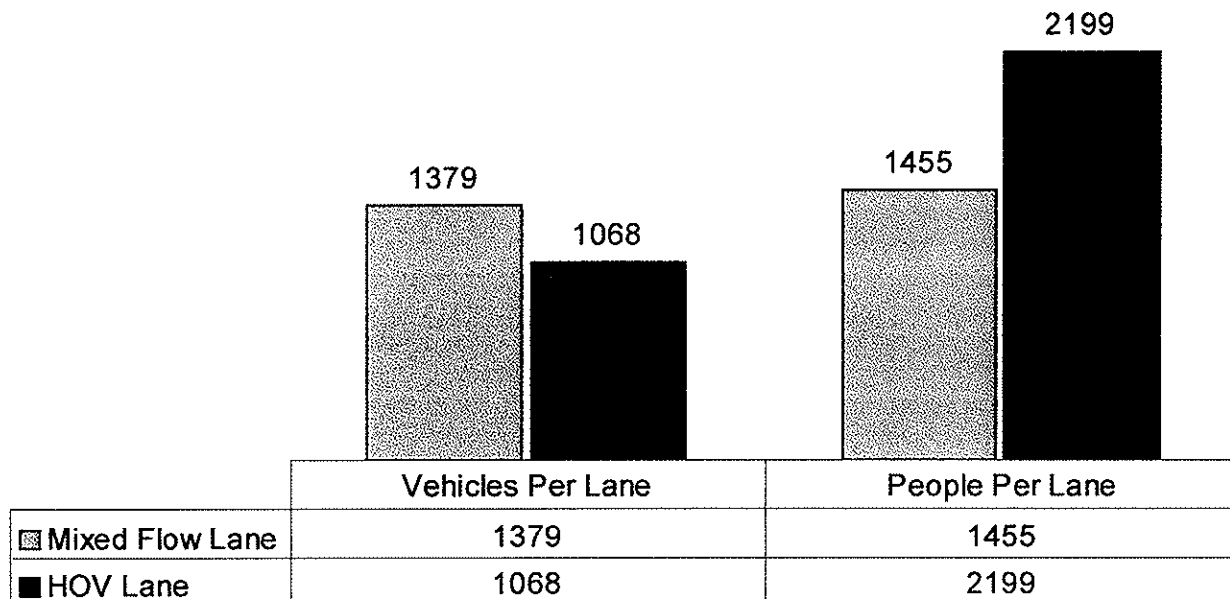


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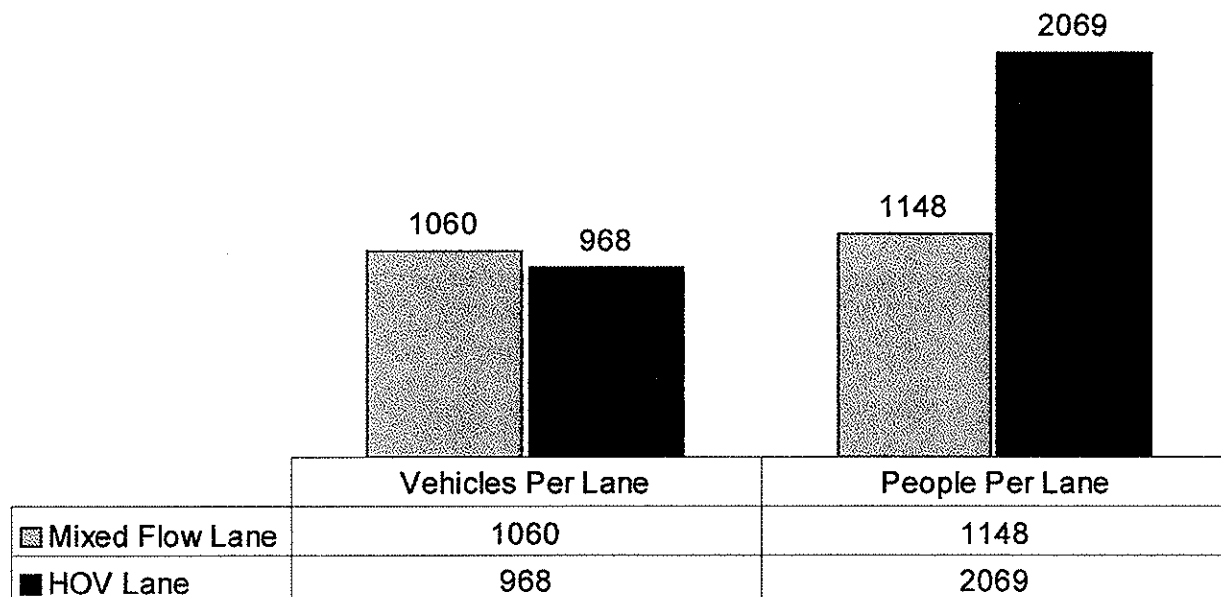
ROUTE 57
ORANGE FREEWAY

Project Limits & Length:	FROM ROUTE 60 TO ORANGE COUNTY LINE; 4.5 MILES
Date of Opening:	AUGUST 22, 1997
Cost:	\$18.2 MILLION
Current Peak Hr Volume:	1068 VEHICLES @ PATHFINDER
Park & Ride Facilities: (Lot No./Lot Name)	24/Pathfinder Rd; 86/Lanterman
Number of Ingress/Egress:	2 NORTHBOUND & 3 SOUTHBOUND

PEAK HOURLY VOLUME COMPARISON



Location: LA-57-S/B @ Pathfinder
 Date/Time: 06-13-06 / 6:45-7:45 AM



Location: LA-57-N/B @ Pathfinder
 Date/Time: 06-14-06 / 3:45-4:45 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 57

Co. Rte. Dir.	LA - 57 - SB	LA - 57 - NB
Location	PATHFINDER	PATHFINDER
Post Mile	3.16	3.16
Date	06/13/06	06/14/06
HOV Peak Hour	6:45 - 7:45 AM	15:45 - 16:45 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1026	929
Vanpools	7	1
Buses	0	1
Motorcycles	35	37
HOV lane Violators	0	0
Total Vehicles in HOV Lane	1068	968
Carpools Using Mainline	280	305
HOV People Summary		
People in Carpool & Vanpools	2164	2012
People in Buses	0	20
People on Motorcycles	35	37
Violators	0	0
Total HOV People	2199	2069
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5515	4240
Mixed-Flow People	5820	4590
Mixed-Flow People/Lane	1455	1148
Freeway Summary		
Total Mixed-Flow People	5820	4590
Total HOV People	2199	2069
Total Freeway People	8019	6659
Percent Carried in HOV Lane	27.42%	31.07%
Percent Carried per Mixed-Flow Lane	18.14%	17.23%
Occupancy		
HOV Occupancy	2.06	2.14
Mainline Occupancy	1.06	1.08
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.51	1.80

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

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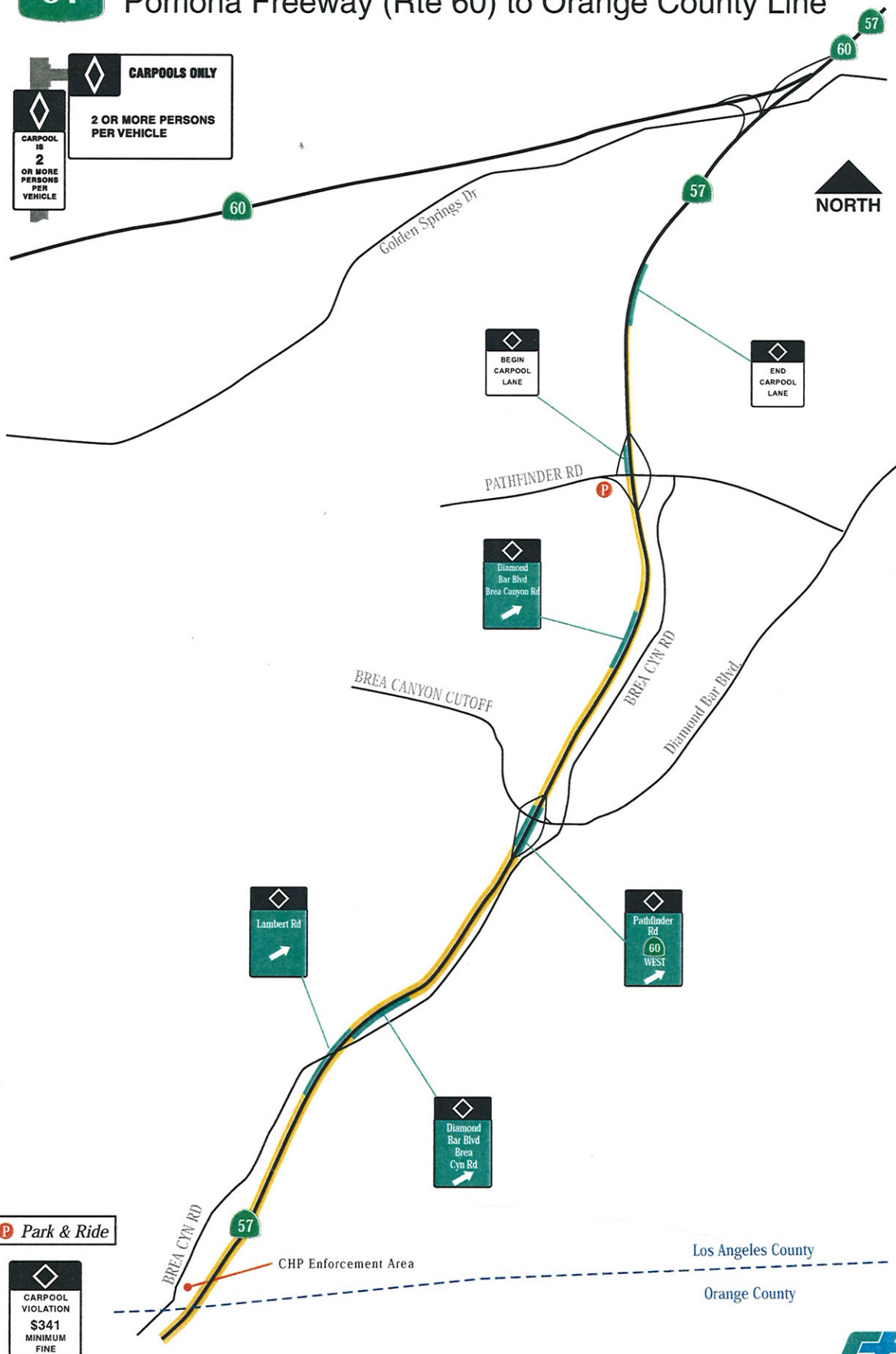
ORANGE FREEWAY HOV LANE

Pomona Freeway (Rte 60) to Orange County Line

CARPOOLS ONLY

2 OR MORE PERSONS PER VEHICLE

CARPPOOL IS 2 OR MORE PERSONS PER VEHICLE



Park & Ride

CARPPOOL VIOLATION
\$341 MINIMUM FINE



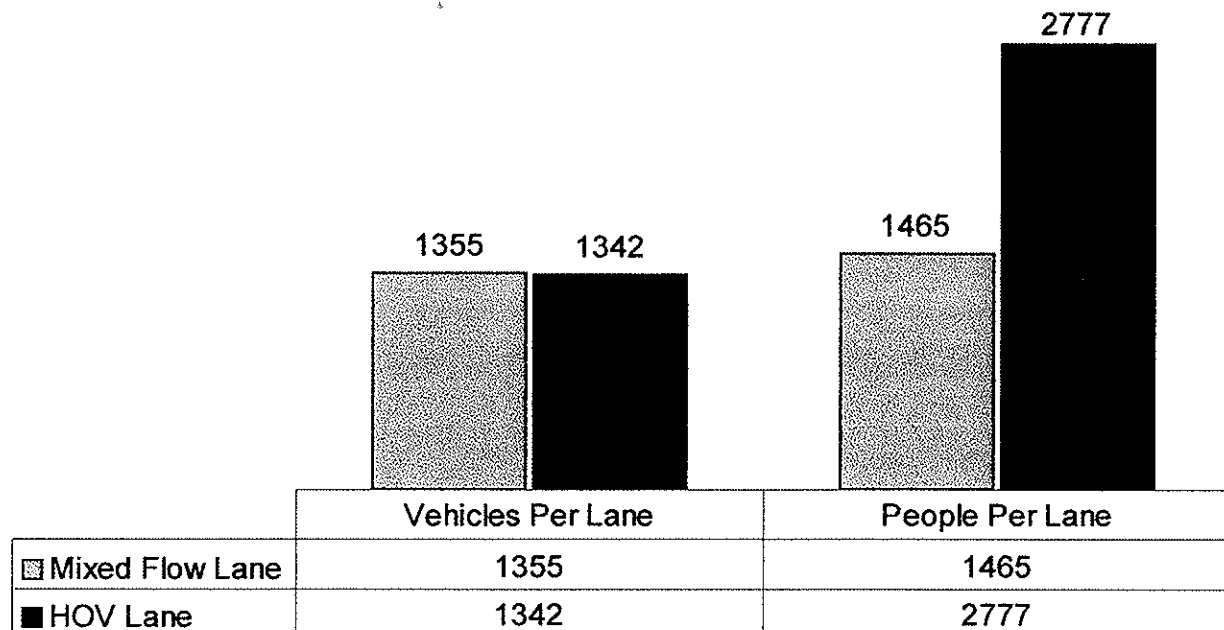


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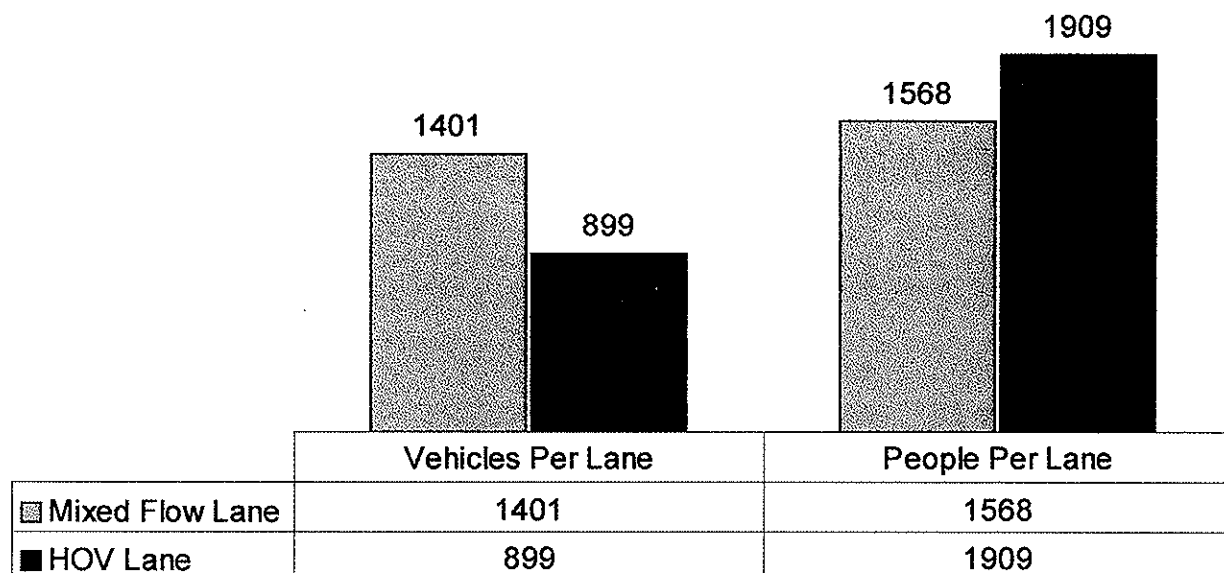
ROUTE 60 POMONA FREEWAY

Project Limits & Length:	FROM BREA CANYON TO RTE 57 N	2.7 MILES
	FROM RTE 57 N TO SBD CO. LINE	5.1 MILES
Date of Opening:	FROM BREA CANYON TO RTE 57 N	FEB. 2, 1999
	FROM RTE 57 N TO SBD CO. LINE	FEB. 2, 1999
Cost:	FROM BREA CANYON TO RTE 57 N	\$5.5 MILLION
	FROM RTE 57 N TO SBD CO. LINE	\$20.8 MILLION
Current Peak Hr Volume:	1342 VEHICLES @ PHILLIPS RANCH	
Park & Ride Facilities: (Lot No./Lot Name)	110/United Meth Church; 22/Diamond Bar-East; 23/Diamond Bar-West	
Number of Ingress/Egress:	FROM SBD CO. LINE TO BREA CANYON	3 E/B, 3 W/B

PEAK HOURLY VOLUME COMPARISON



Location: LA-60-W/B @ Phillips Ranch
 Date/Time: 04-06-06 / 6:45-7:45 AM



Location: LA-60-E/B @ Phillips Ranch
 Date/Time: 06-21-06 / 3:45-4:45 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 60

Co. Rte. Dir.	LA - 60 - WB	LA - 60 - EB
Location	PHILLIPS RANCH	PHILLIPS RANCH
Post Mile	28.04	28.04
Date	04/06/06	06/21/06
HOV Peak Hour	6:45 - 7:45 AM	15:45 - 16:45 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1305	861
Vanpools	3	8
Buses	11	2
Motorcycles	23	28
HOV lane Violators	0	0
Total Vehicles in HOV Lane	1342	899
Carpools Using Mainline	380	530
HOV People Summary		
People in Carpool & Vanpools	2648	1840
People in Buses	106	41
People on Motorcycles	23	28
Violators	0	0
Total HOV People	2777	1909
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5420	5605
Mixed-Flow People	5860	6270
Mixed-Flow People/Lane	1465	1568
Trucks on Mainlines	522	420
Freeway Summary		
Total Mixed-Flow People	5860	6270
Total HOV People	2777	1909
Total Freeway People	8637	8179
Percent Carried in HOV Lane	32.15%	23.34%
Percent Carried per Mixed-Flow Lane	16.96%	19.16%
Occupancy		
HOV Occupancy	2.07	2.12
Mainline Occupancy	1.08	1.12
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.90	1.22

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

9/7/2006 10:04 AM


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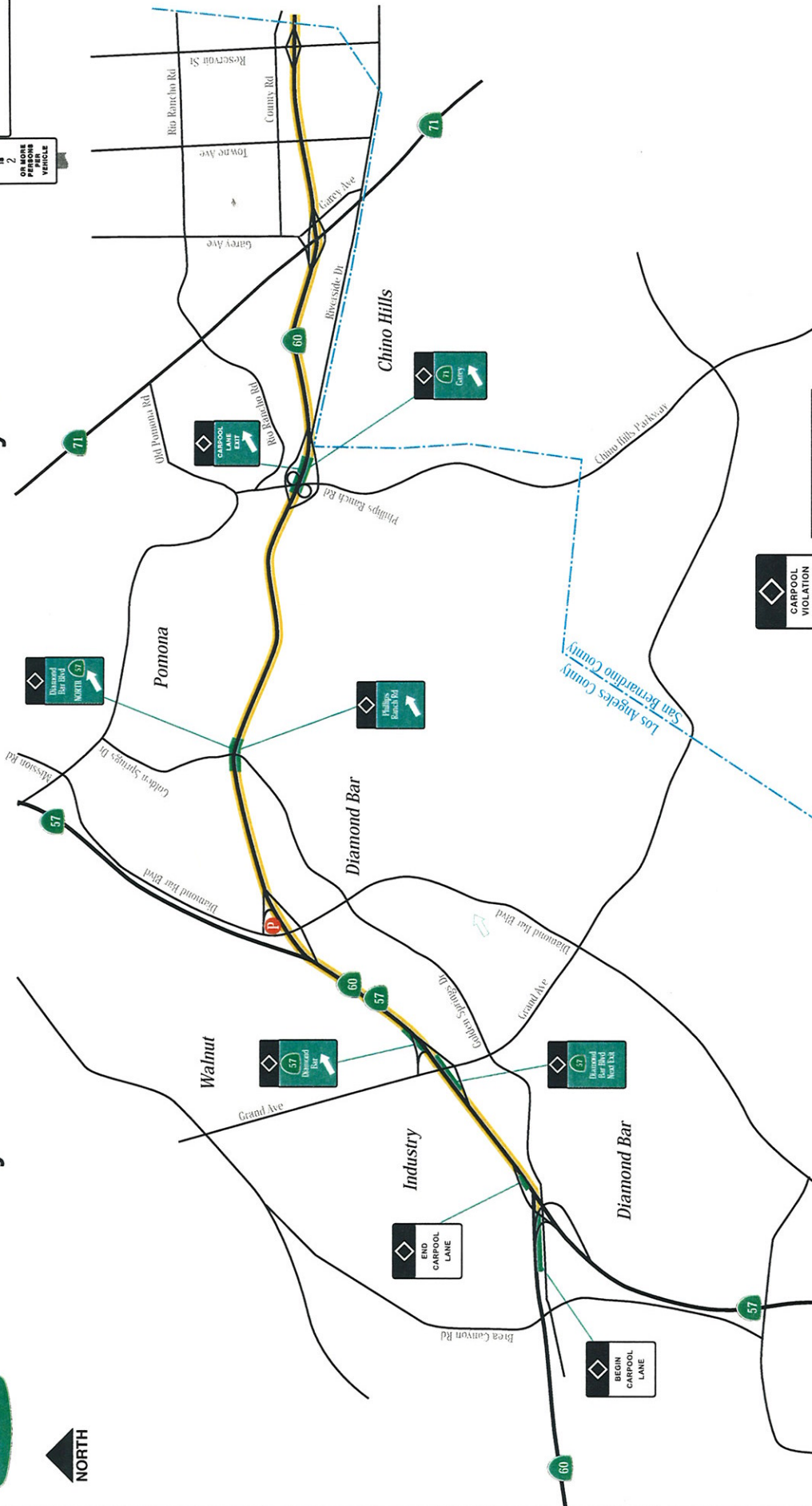
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POMONA FREEWAY HOV LANE Brea Canyon Road to San Bernardino County Line




CARPools ONLY
 2 OR MORE PERSONS
 PER VEHICLE






CARPPOOL VIOLATION
 \$341
 MINIMUM
 FINE


Park & Ride

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 Rideshare Information (800) COMMUTE • Bike Lockers (213) 897-0235



District 7 Graphic Services • 60 HOV • 8/16/05

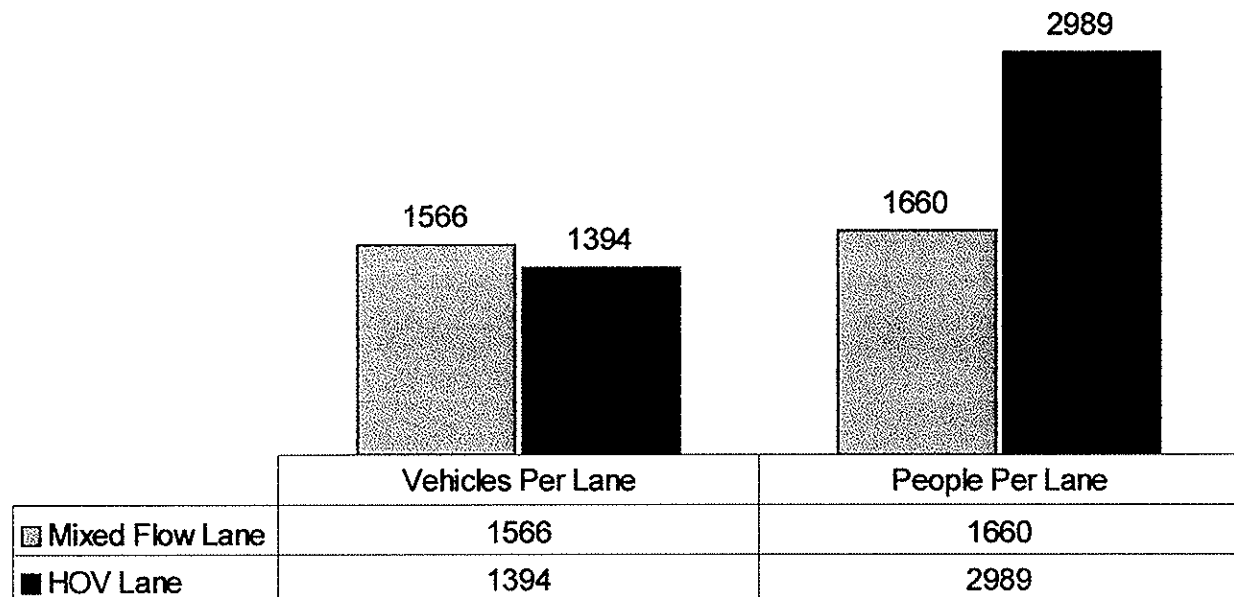


FACT SHEET

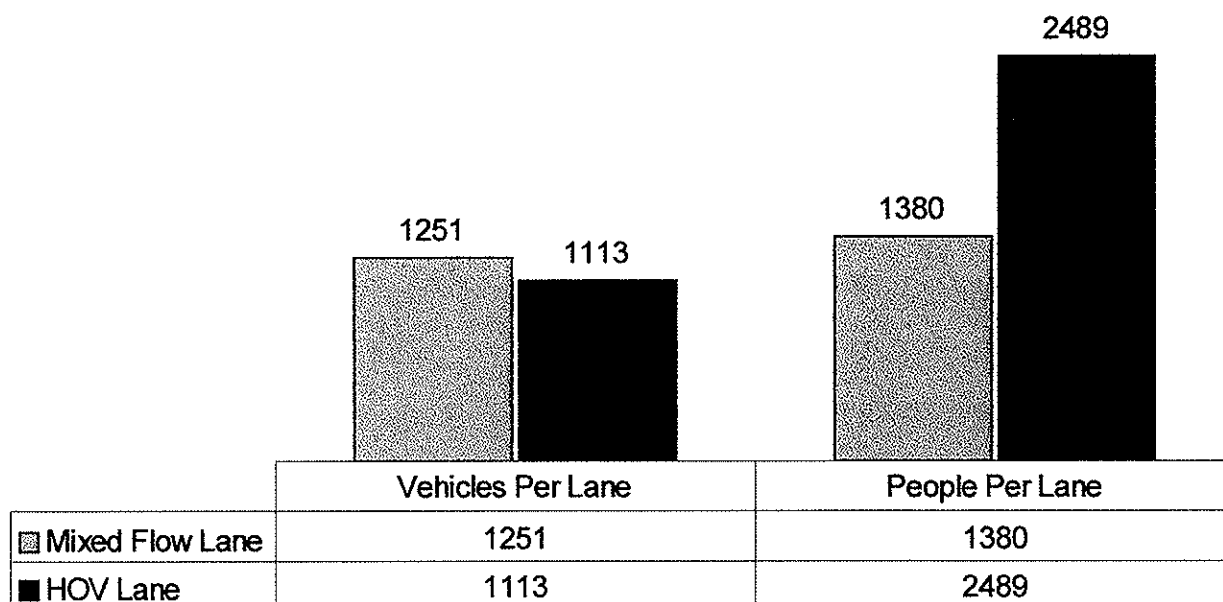
ROUTE 91 ARTESIA FREEWAY

Project Limits & Length:	FROM ROUTE 110 TO ROUTE 605 FROM ROUTE 605 TO ORANGE CO. LINE	10.5 MILES 4.9 MILES
Date of Opening:	FROM ROUTE 110 TO ROUTE 605 FROM ROUTE 110 TO ROUTE 605 FROM ROUTE 605 TO ORANGE CO. LINE	JUNE 10, 1985 (E/B) MARCH 11, 1993 (W/B) NOVEMBER 1994
Cost:	FROM ROUTE 110 TO ROUTE 605 FROM ROUTE 605 TO ORANGE CO. LINE	\$ 0.7 MILLION \$ 0.9 MILLION
Current Peak Hr Volume:	1394 VEHICLES @ WILMINGTON	
Park & Ride Facilities: (Lot No./Lot Name)	91/Levitz Furniture; 55/Butler	
Number of Ingress/Egress:	FROM ORA. CO. LINE TO ROUTE 110	4 E/B, 6 W/B

PEAK HOURLY VOLUME COMPARISON



Location: LA-91-W/B @ Wilmington
 Date/Time: 05-09-06 / 7:00-8:00 AM



Location: LA-91-E/B @ Wilmington
 Date/Time: 05-24-06 / 4:15-5:15 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 91

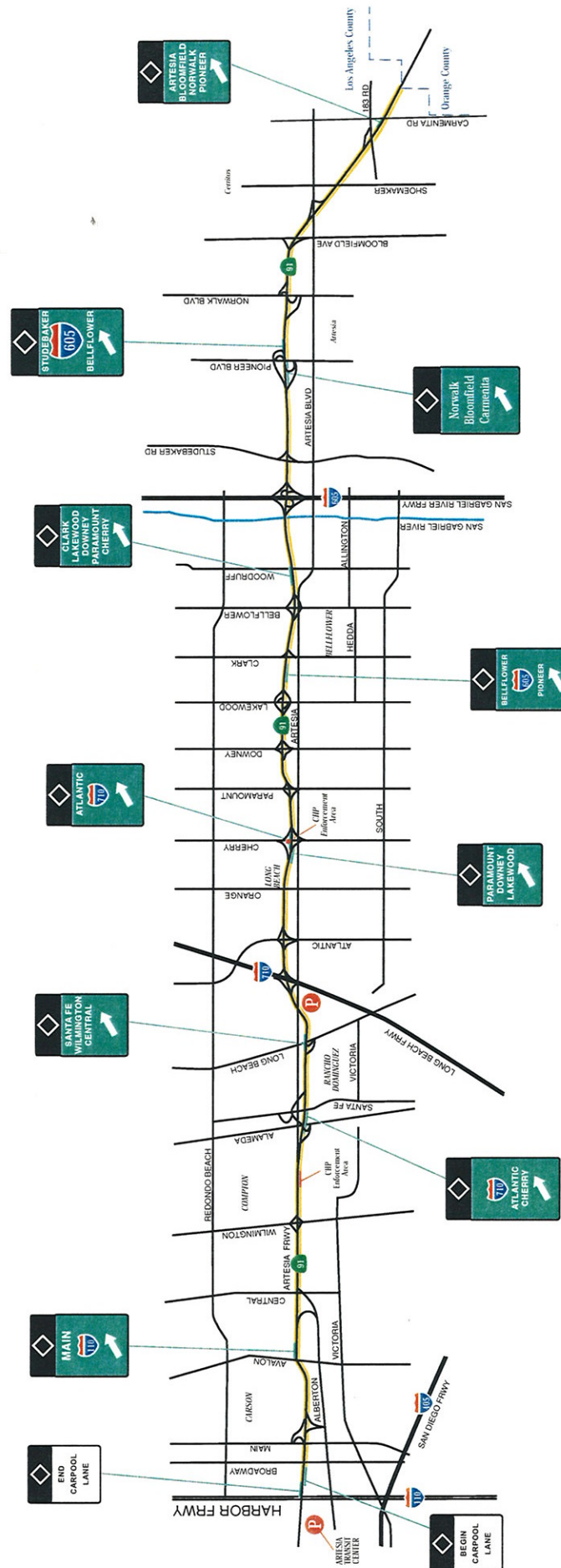
Co. Rte. Dir.	LA - 91 - WB	LA - 91 - EB
Location	WILMINGTON	WILMINGTON
Post Mile	9.16	9.16
Date	05/09/06	05/24/06
HOV Peak Hour	7:00 - 8:00 AM	16:15 - 17:15 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1350	1031
Vanpools	9	39
Buses	2	4
Motorcycles	33	39
HOV lane Violators	19	1
Total Vehicles in HOV Lane	1413	1114
Carpools Using Mainline	325	440
HOV People Summary		
People in Carpool & Vanpools	2876	2379
People in Buses	80	71
People on Motorcycles	33	39
Violators	19	1
Total HOV People	3008	2490
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	6265	5005
Mixed-Flow People	6640	5520
Mixed-Flow People/Lane	1660	1380
Trucks on Mainlines	235	302
Freeway Summary		
Total Mixed-Flow People	6640	5520
Total HOV People	3008	2490
Total Freeway People	9648	8010
Percent Carried in HOV Lane	31.18%	31.09%
Percent Carried per Mixed-Flow Lane	17.21%	17.23%
Occupancy		
HOV Occupancy	2.13	2.24
Mainline Occupancy	1.06	1.10
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.81	1.80

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

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16



P *Park & Ride*

	CARPOOL VIOLATION	\$341	MINIMUM	FINE
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District 7 Graphic Services • 91 HOVegresing • 8/18/06



FACT SHEET

**ROUTE 105
GLENN ANDERSON/
CENTURY FREEWAY**

Project Limits & Length: FROM ROUTE 405 TO ROUTE 605; 16.0 MILES

Date of Opening: OCTOBER 14, 1993

Cost: \$ 230.0 MILLION

Current Peak Hr Volume: 1337 VEHICLES @ LONG BEACH BLVD

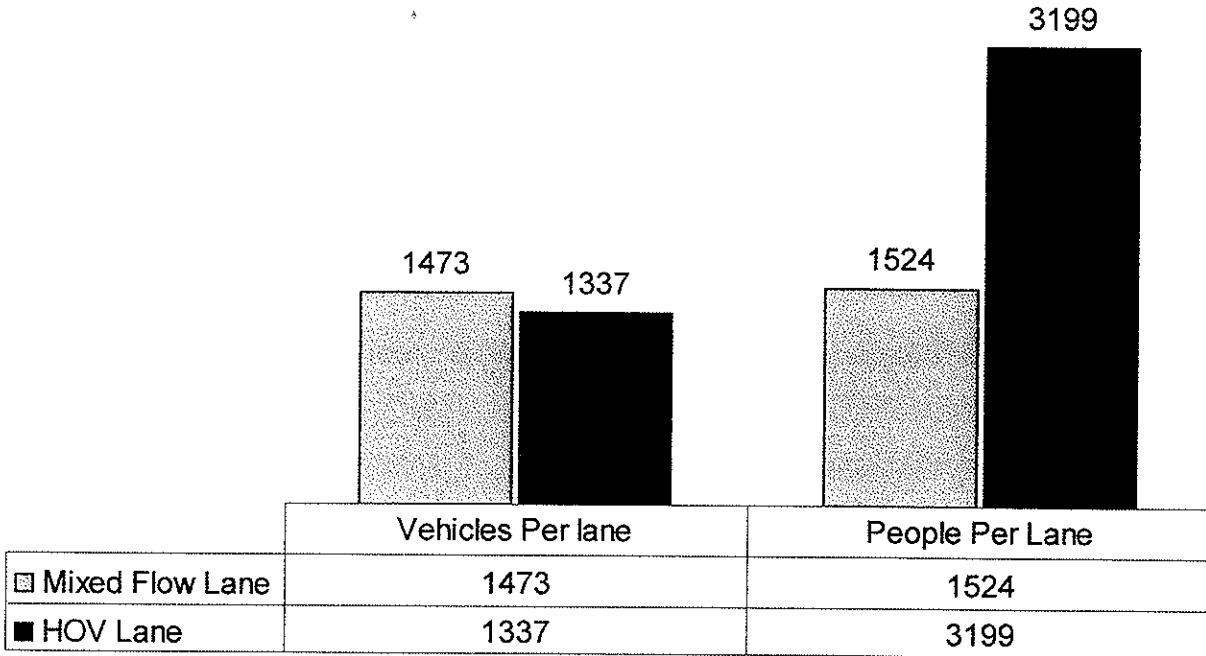
Park & Ride Facilities:
(Lot No./Lot Name) 32/Aviation; 43/Hawthorne; 46/Crenshaw; 64/Vermont Ave;
65/Century and Harbor Junction; 66/Avalon; 119/Willowbrook;
67/Long Beach Blvd; 27/Lakewood Blvd; 74/I-105 Termination

Number of Ingress/Egress: 5 WESTBOUND & 6 EASTBOUND

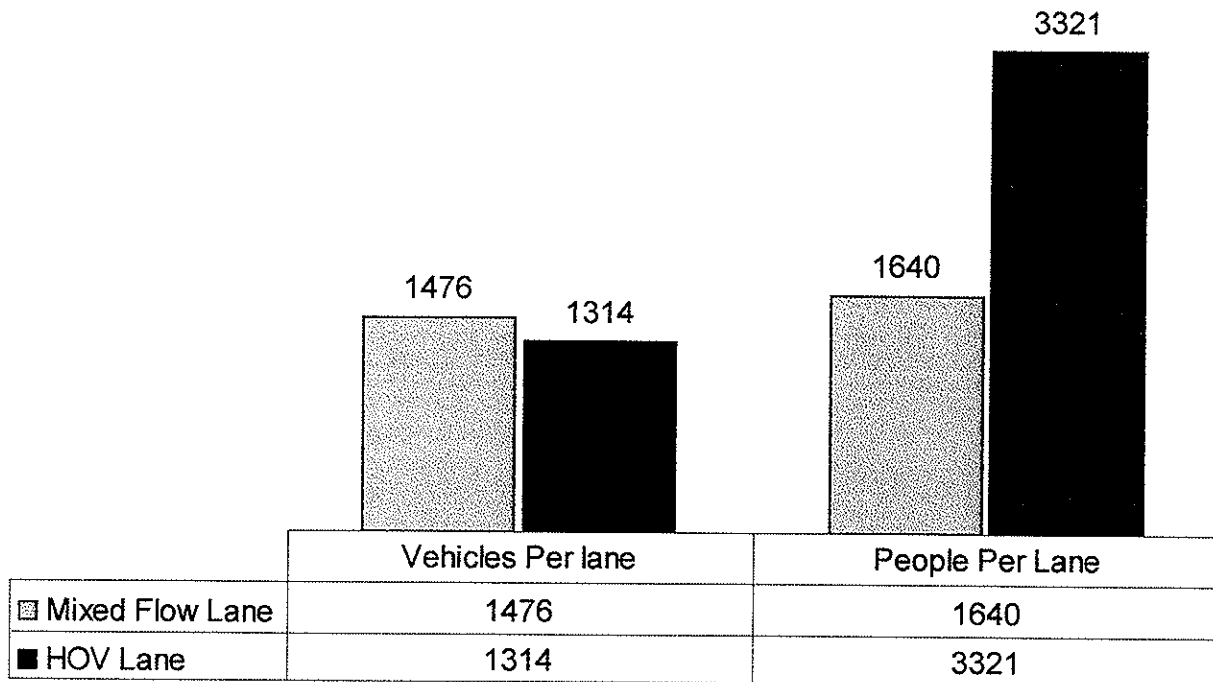
Unique Features:

The freeway has direct HOV connectors at Route 110/105 interchange.

PEAK HOURLY VOLUME COMPARISON



Location: LA-105-W/B @ Long Beach Blvd
 Date/Time: 04-13-06 / 6:45-7:45 AM



Location: LA-105-E/B @ Long Beach Blvd
 Date/Time: 04-18-06 / 3:45-4:45 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7
HOV Operation on Route 105

Co. Rte. Dir.	LA - 105 - WB	LA - 105 - EB
Location	LONG BEACH	LONG BEACH
Post Mile	11.50	11.50
Date	04/13/06	04/18/06
HOV Peak Hour	6:45 - 8:00 AM	15:45 - 16:45 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1263	1219
Vanpools	15	40
Buses	12	12
Motorcycles	47	43
HOV lane Violators	84	9
Total Vehicles in HOV Lane	1421	1323
Carpools Using Mainline	128	409
HOV People Summary		
People in Carpool & Vanpools	2830	2915
People in Buses	322	363
People on Motorcycles	47	43
Violators	84	9
Total HOV People	3283	3330
Mainline Summary		
Mixed-Flow lanes	3	3
Mixed-flow Vehicles	4418	4429
Mixed-Flow People	4571	4920
Mixed-Flow People/Lane	1524	1640
Trucks on Mainlines	216	174
Freeway Summary		
Total Mixed-Flow People	4571	4920
Total HOV People	3283	3330
Total Freeway People	7854	8250
Percent Carried in HOV Lane	41.80%	40.36%
Percent Carried per Mixed-Flow Lane	19.40%	19.88%
Occupancy		
HOV Occupancy	2.31	2.52
Mainline Occupancy	1.03	1.11
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	2.15	2.03

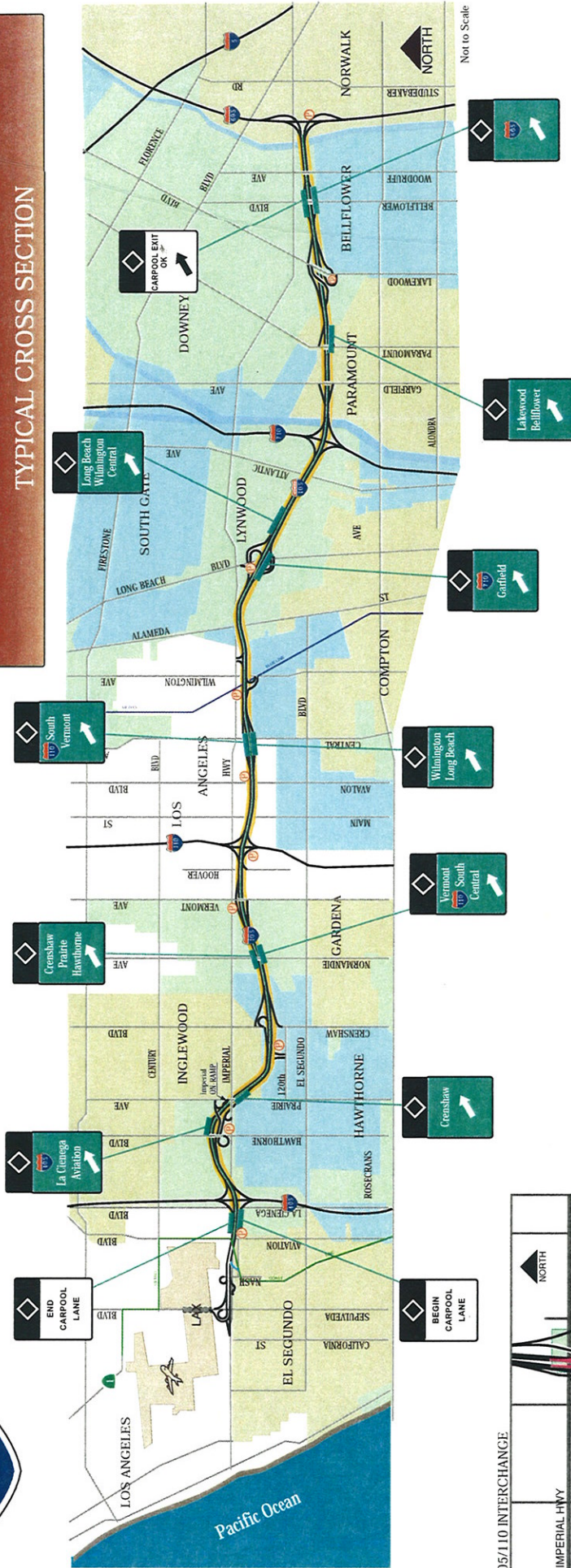
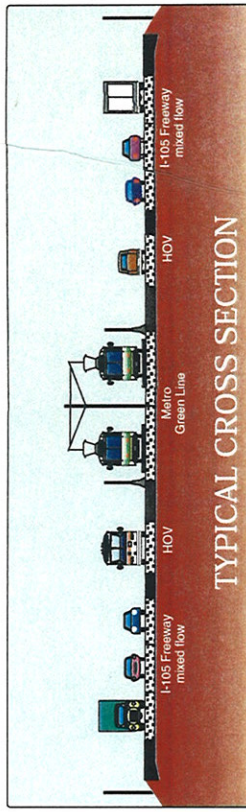
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.
9/7/2006 9:23 AM C:\CountData\LA 105 LONG BEACH 4-13-06.xls

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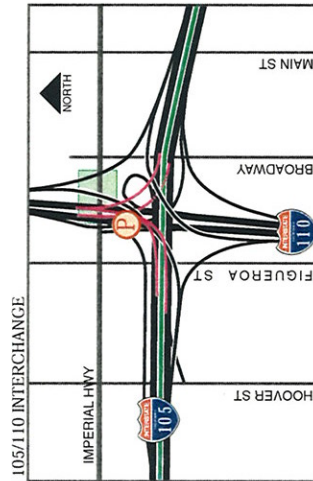
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GLENN ANDERSON (CENTURY) FREEWAY HOV LANE San Diego Freeway (Rte 405) to San Gabriel River Freeway (Rte 605)



	CARPOOL VIOLATION \$341 MINIMUM FINE
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P Transit Stations and Park & Ride Lot Locations

Freeway to Freeway HOV Connectors
 Metro Green Line (Open by June '95)
 Transit Station (Open by June '95)

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 Rideshare Information (800) COMMUTE · Bike Lockers (213) 897-0235



District 7 Graphic Services • 105 HOV Map • 9/27/06



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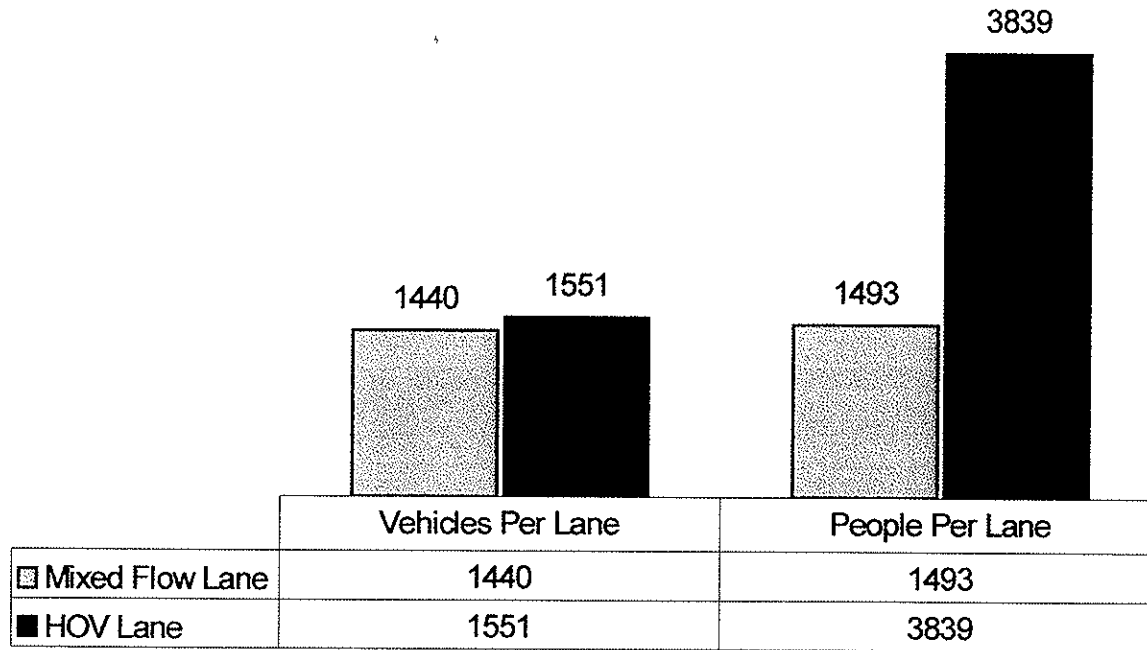
ROUTE 110 HARBOR FREEWAY

Project Limits & Length:	FROM ADAMS BLVD TO ROUTE 91; 10.7 MILES
Date of Opening:	JUNE 26, 1996
Cost:	\$ 344.0 MILLION
Current Peak Hr Volume:	3102 VEHICLES ON 2 HOV LANES @ SLAUSON AVE
Park & Ride Facilities: (Lot No./Lot Name)	96/San Pedro II; Lot No./San Pedro; 120/Harbor Park; Lot No./Carson; Lot No./Artesia; 34/Baptist Church; Lot No./Rosecrans; Lot No./Manchester; Lot No./Slauson
Number of Ingress/Egress:	3 IN EACH DIRECTION

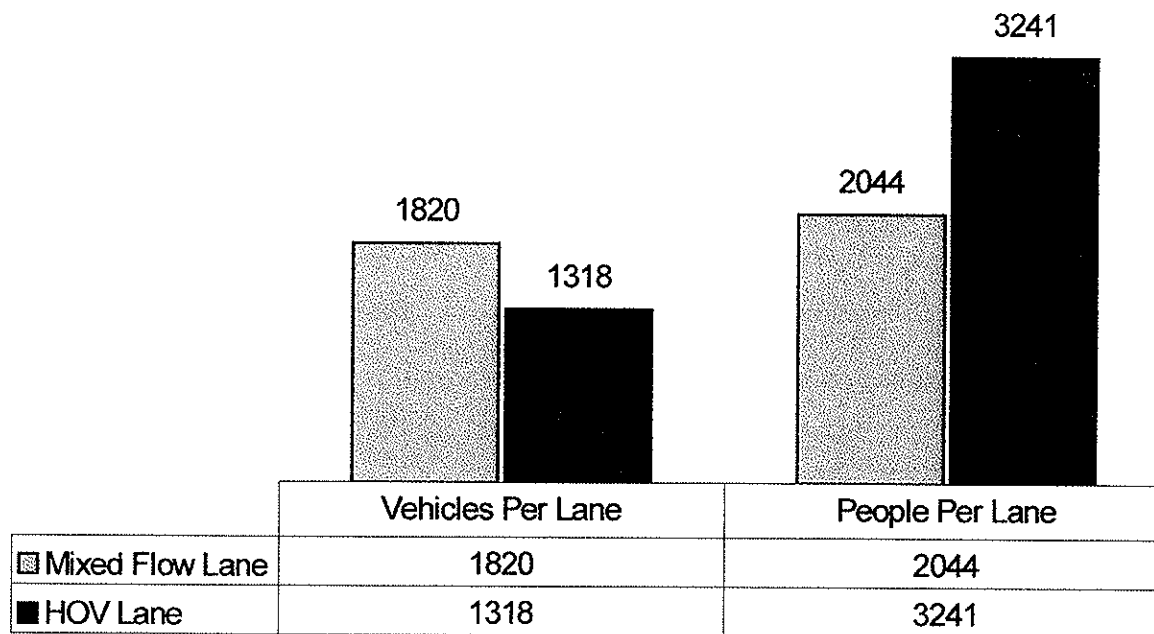
Unique Features:

- ◆ 10.3 miles of exclusive transitway with 2.6 miles of elevated structures that are 67-ft wide.
- ◆ North of Route 105, the 110 Transitway has two HOV lanes in each direction.
- ◆ Direct HOV drop ramps at Adams Boulevard and 39th Street.

PEAK HOURLY VOLUME COMPARISON



Location: LA-110-N/B @ Slauson Ave
 Date/Time: 04-04-06 / 7:15-8:15 AM



Location: LA-110-S/B @ Slauson Ave
 Date/Time: 04-19-06 / 4:30-5:30 PM

Two (2) HOV lanes at this location. Data shown represents volume on one (1) HOV lane

CALTRANS - DISTRICT 7

HOV Operation on Route 110

Co. Rte. Dir.	LA - 110 - NB	LA - 110 - SB
Location	SLAUSON	SLAUSON
Post Mile	17.98	17.98
Date	04/04/06	04/19/06
HOV Peak Hour	7:15 - 8:15 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	3030	2513
Vanpools	27	54
Buses	33	40
Motorcycles	12	29
HOV lane Violators	16	16
Total Vehicles in 2 HOV Lanes	3118	2652
Carpools Using Mainline	185	795
HOV People Summary		
People in Carpool & Vanpools	6516	5510
People in Buses	1150	943
People on Motorcycles	12	29
Violators	16	16
Total People in 2 HOV Lanes	7694	6498
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5760	7280
Mixed-Flow People	5970	8175
Mixed-Flow People/Lane	1493	2044
Trucks on Mainlines	101	141
Freeway Summary		
Total Mixed-Flow People	5970	8175
Total HOV People	7694	6498
Total Freeway People	13664	14673
Percent Carried in 2 HOV Lanes	56.31%	44.29%
Percent Carried per Mixed-Flow Lane	10.92%	13.93%
Occupancy		
HOV Occupancy	2.47	2.45
Mainline Occupancy	1.04	1.12
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	5.16	3.18

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.
9/15/2006 9:33 AM

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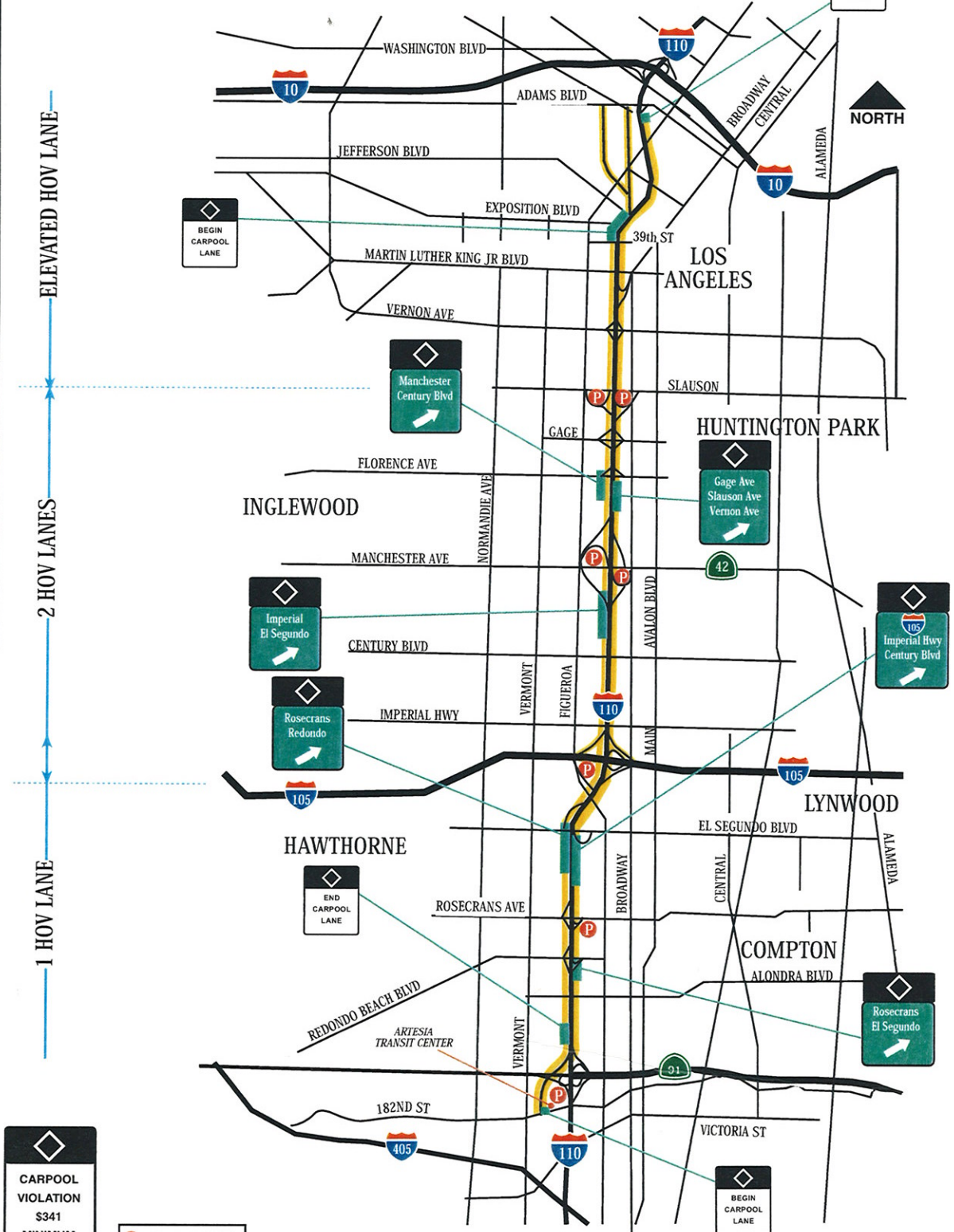
HARBOR FREEWAY HOV LANE Adams Blvd to Artesia Freeway (Rte 91)

CARPOOLS ONLY

2 OR MORE PERSONS PER VEHICLE

BEGIN CARPOOL LANE

END CARPOOL LANE



CARPOOL VIOLATION
\$341 MINIMUM FINE

Park & Ride

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Rideshare information (800) COMMUTE • Bike Lockers (213) 897-0235



110 HOV Egress/ing • 9/19/06



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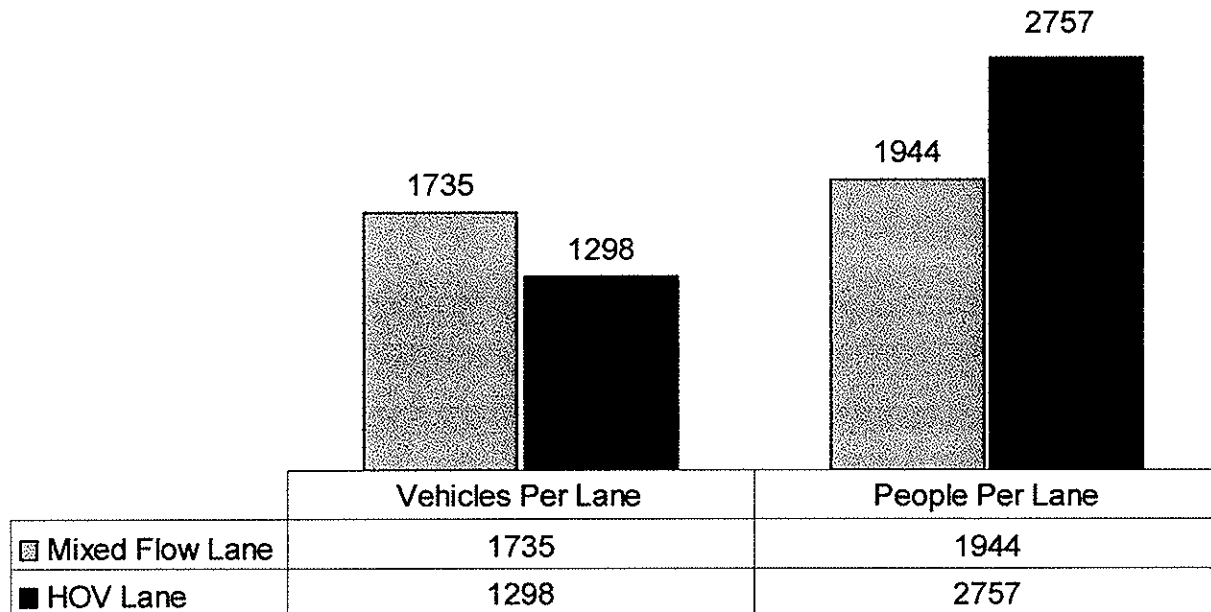
**ROUTE 118
RONALD REAGAN FREEWAY**

Project Limits & Length:	FROM VENTURA CO. LINE TO RTE 5; 11.4 MILES
Date of Opening:	MARCH 7, 1997
Cost:	\$23.2 MILLION
Current Peak Hr Volume:	1298 VEHICLES @ RESEDA BLVD
Park & Ride Facilities: (Lot No./Lot Name)	Lot No./Chatsworth; 41/GH Masonic Temple; 40/Lutheran Church; Lot No./Winnetka
Number of Ingress/Egress:	4 EASTBOUND & 5 WESTBOUND

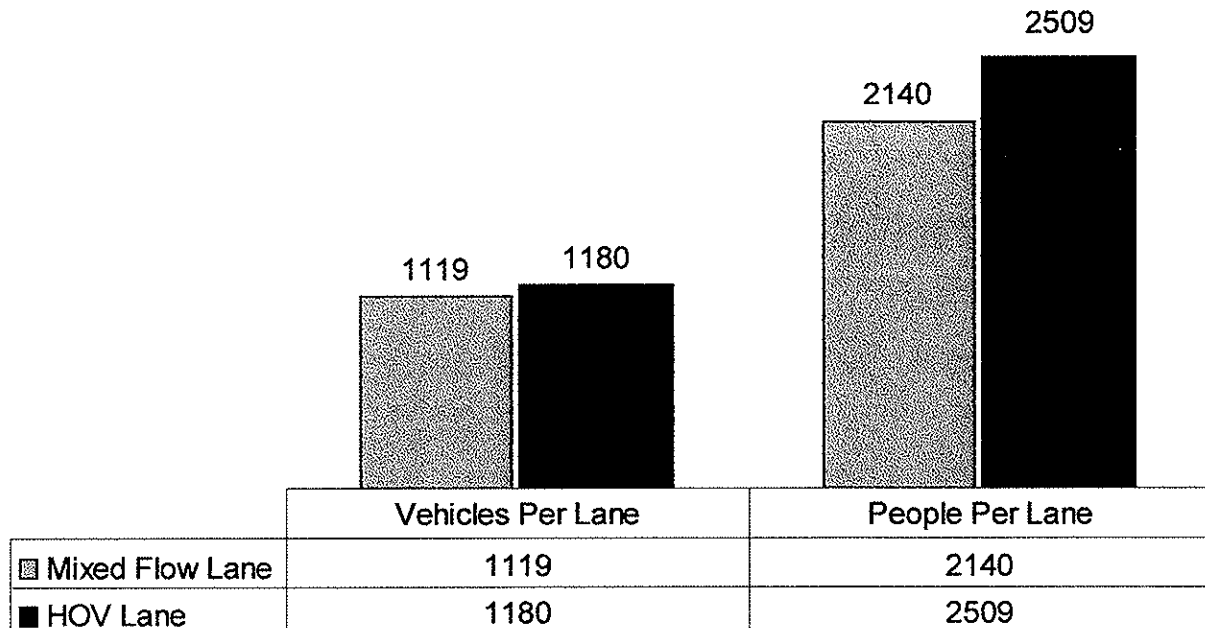
Unique Features:

The construction of this HOV facility included the addition of another regular freeway lane.

PEAK HOURLY VOLUME COMPARISON



Location: LA-118-W/B @ Reseda Blvd
 Date/Time: 04-25-06 / 6:30-7:30 AM



Location: LA-118-E/B @ Reseda Blvd
 Date/Time: 05-17-06 / 4:30-5:30 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 118

Co. Rte. Dir.	LA - 118 - WB	LA - 118 - EB
Location	RESEDA	RESEDA
Post Mile	5.81	5.81
Date	04/25/06	05/17/06
HOV Peak Hour	6:30 - 7:30 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1252	1141
Vanpools	23	9
Buses	1	3
Motorcycles	22	27
HOV lane Violators	0	3
Total Vehicles in HOV Lane	1298	1183
Carpools Using Mainline	690	710
HOV People Summary		
People in Carpool & Vanpools	2715	2470
People in Buses	20	12
People on Motorcycles	22	27
Violators	0	3
Total HOV People	2757	2512
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	6940	7745
Mixed-Flow People	7775	8560
Mixed-Flow People/Lane	1944	2140
Trucks on Mainlines	259	165
Freeway Summary		
Total Mixed-Flow People	7775	8560
Total HOV People	2757	2512
Total Freeway People	10532	11072
Percent Carried in HOV Lane	26.18%	22.69%
Percent Carried per Mixed-Flow Lane	18.46%	19.33%
Occupancy		
HOV Occupancy	2.12	2.12
Mainline Occupancy	1.12	1.11
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.42	1.17

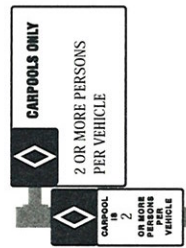
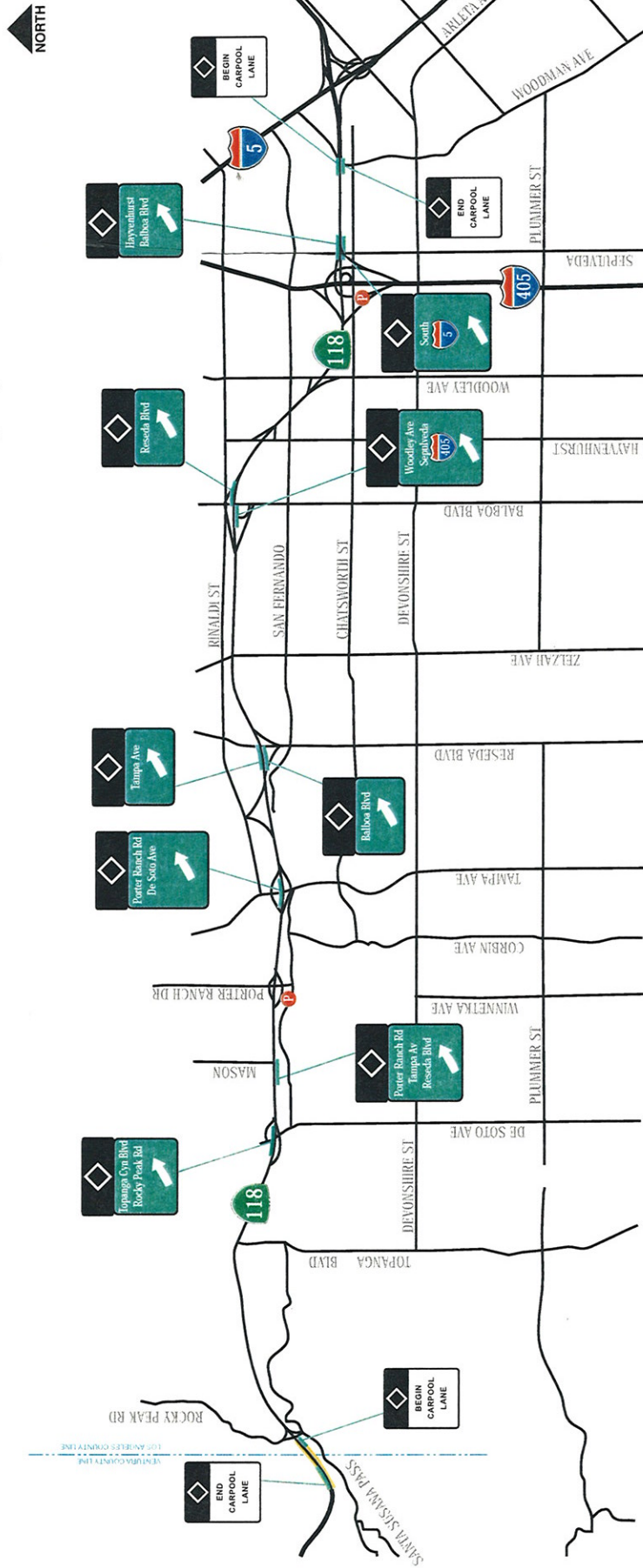
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

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RONALD REAGAN FREEWAY HOV LANE

Ventura County Line to Golden State Freeway (Rte 5)



District 7 Graphic Services • 118 HOVSigning • 9/19/05

California Department of Transportation • District 7, Los Angeles and Ventura Counties • 100 S. Main St., Los Angeles, CA 90012
Rideshare Information (800) COMMUTE • Bike Lockers (213) 897-0235

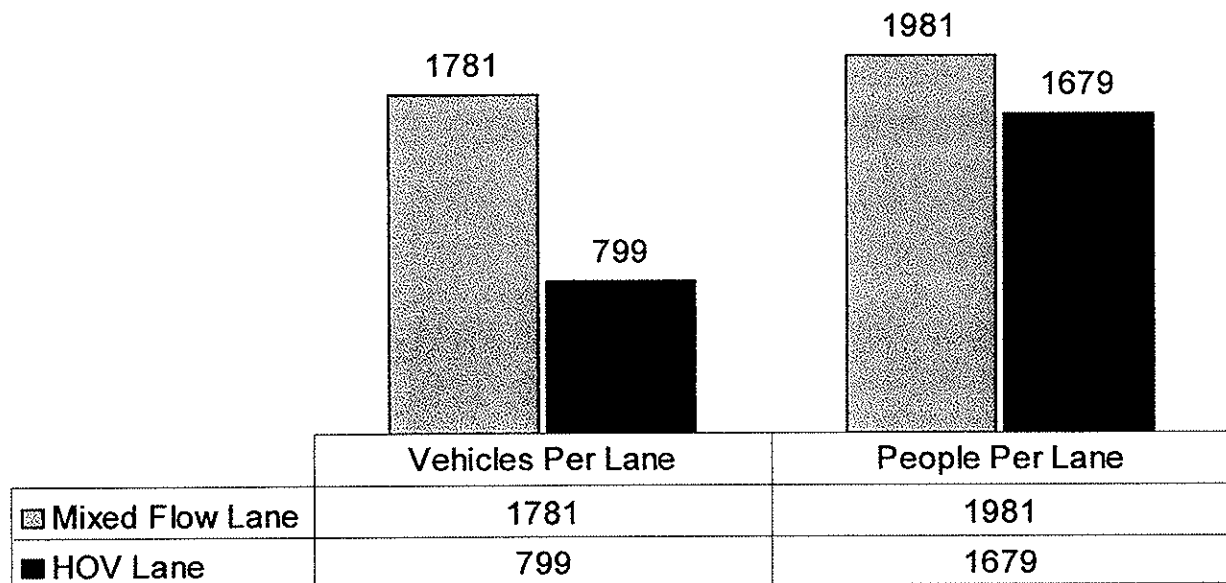


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ROUTE 134 VENTURA FREEWAY

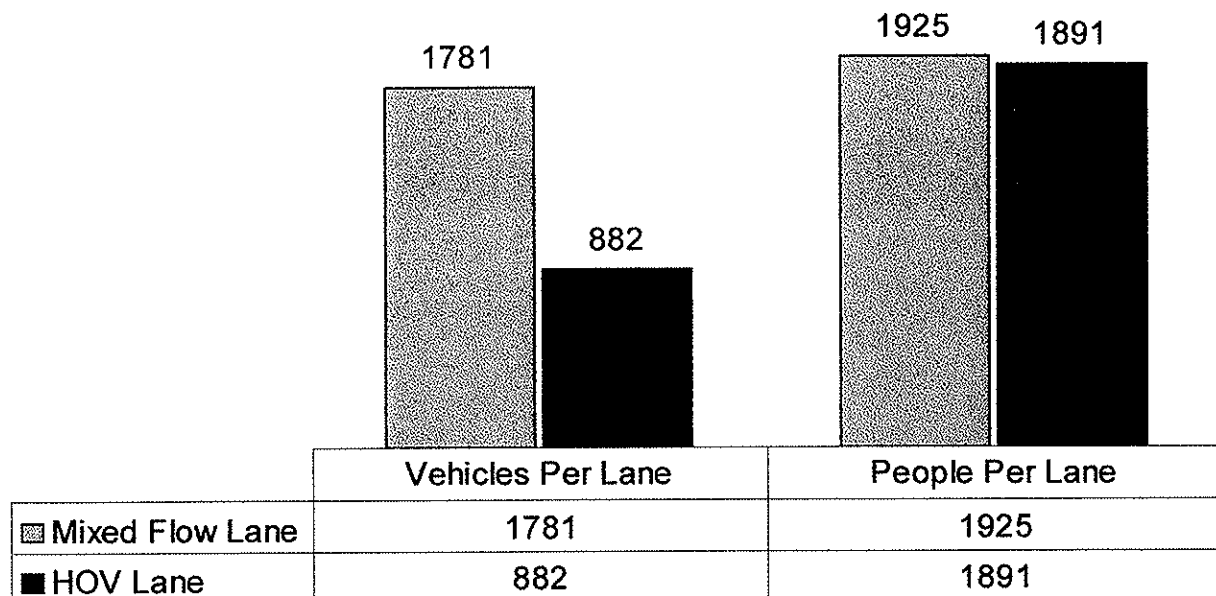
Project Limits & Length:	FROM ROUTE 101/170 TO ROUTE 5	5.1 MILES
	FROM ROUTE 5 TO ROUTE 2	4.1 MILES
	FROM ROUTE 2 TO ROUTE 210	3.6 MILES
Date of Opening:	ROUTE 101/170 TO ROUTE 5	OCTOBER 2, 1995
	ROUTE 5 TO ROUTE 2	MARCH 12, 1996
	ROUTE 2 TO ROUTE 210	AUGUST 30, 1996
Cost:	ROUTE 101/170 TO ROUTE 5	\$6.6 MILLION
	ROUTE 5 TO ROUTE 2	\$5.0 MILLION
	ROUTE 2 TO ROUTE 210	\$7.8 MILLION
Current Peak Hr Volume:	882 VEHICLES @ JACKSON ST	
Park & Ride Facilities: (Lot No./Lot Name)	Lot No./Glendale	
Number of Ingress/Egress:	ROUTE 101/170 TO ROUTE 5	2 IN EACH DIRECTION
	ROUTE 5 TO ROUTE 210	4 IN EACH DIRECTION
Unique Features:		
HOV discontinuity at Route 5 due to connectors of Route 5 to Route 134.		

PEAK HOURLY VOLUME COMPARISON



Location: LA-134-W/B @ Jackson St.

Date/Time: 03-23-06 / 7:30-8:30 AM



Location: LA-134-E/B @ Jackson St.

Date/Time: 06-13-06 / 4:30-5:30 PM

Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 134

Co. Rte. Dir.	LA - 134 - WB	LA - 134 - EB
Location	JACKSON	JACKSON
Post Mile	7.41	7.41
Date	03/23/06	06/13/06
HOV Peak Hour	7:30 - 8:30 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	751	827
Vanpools	12	16
Buses	0	1
Motorcycles	36	38
HOV lane Violators	20	1
Total Vehicles in HOV Lane	819	883
Carpools Using Mainline	705	510
HOV People Summary		
People in Carpool & Vanpools	1643	1833
People in Buses	0	20
People on Motorcycles	36	38
Violators	20	1
Total HOV People	1699	1892
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	7125	7125
Mixed-Flow People	7925	7700
Mixed-Flow People/Lane	1981	1925
Trucks on Mainlines	85	92
Freeway Summary		
Total Mixed-Flow People	7925	7700
Total HOV People	1699	1892
Total Freeway People	9624	9592
Percent Carried in HOV Lane	17.65%	19.72%
Percent Carried per Mixed-Flow Lane	20.59%	20.07%
Occupancy		
HOV Occupancy	2.07	2.14
Mainline Occupancy	1.11	1.08
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	0.86	0.98

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

9/7/2006 9:55 AM

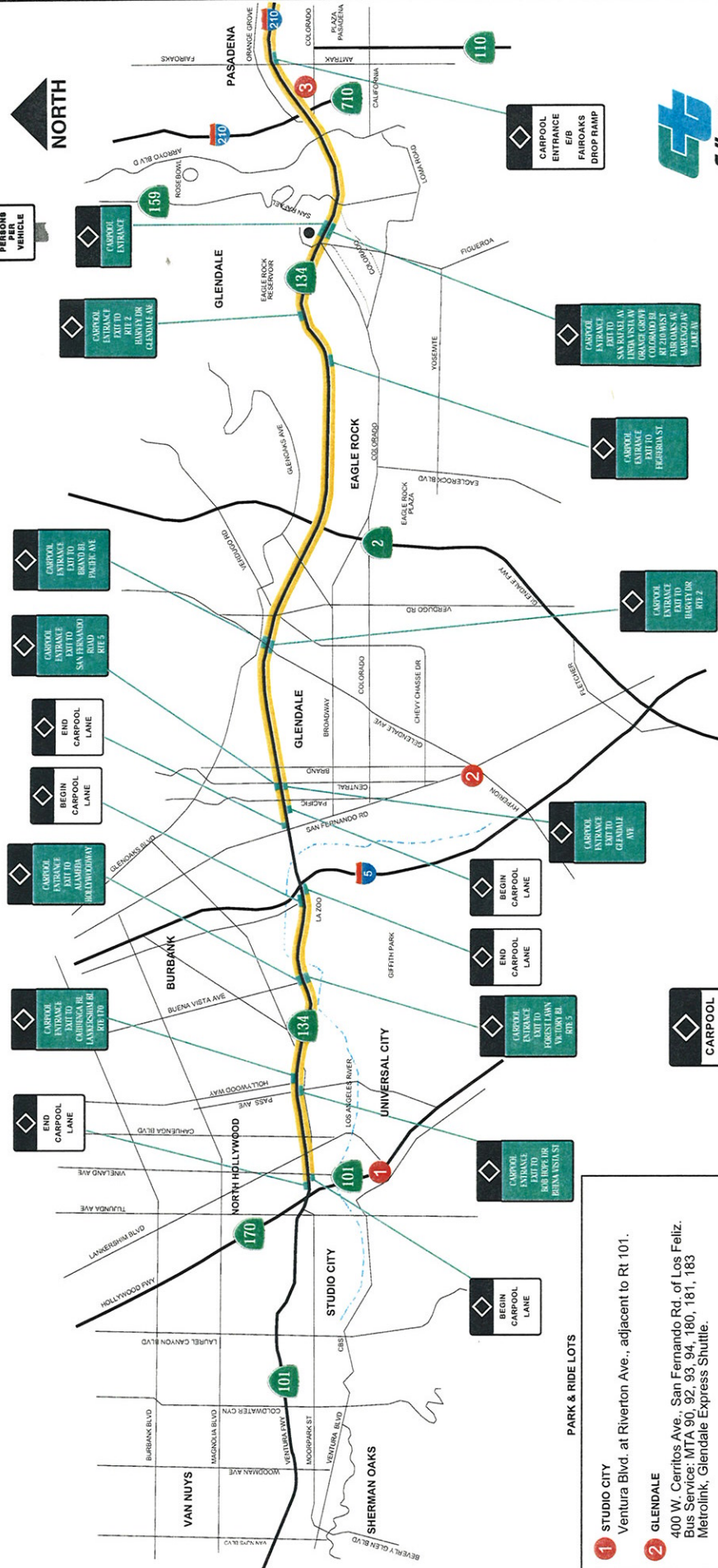
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134 VENTURA FREEWAY HOV LANE

Ventura Freeway (Rte 101) to Foothill Freeway (Rte 210)



- STUDIO CITY**
Ventura Blvd. at Riveron Ave., adjacent to Rt 101.
- GLENDALE**
400 W. Cerritos Ave., San Fernando Rd. of Los Feliz.
Bus Service: MTA 90, 92, 93, 94, 180, 181, 183
Metrolink, Glendale Express Shuttle.
- PASADENA**
Ralph M. Parsons Co., Pasadena Ave. at Union, adjacent
Interchange Rtes 710, 134, 210.
Bus Service: MTA 402, 483.
Rte 210 at Sierra Madre Blvd.
Bus Service: MTA 487, 4 bike lockers.



District 7 Graphic Services • 134 HOVes.org • 818.06

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Rideshare Information (800) COMMUTE Bike Lockers (213) 897-0235



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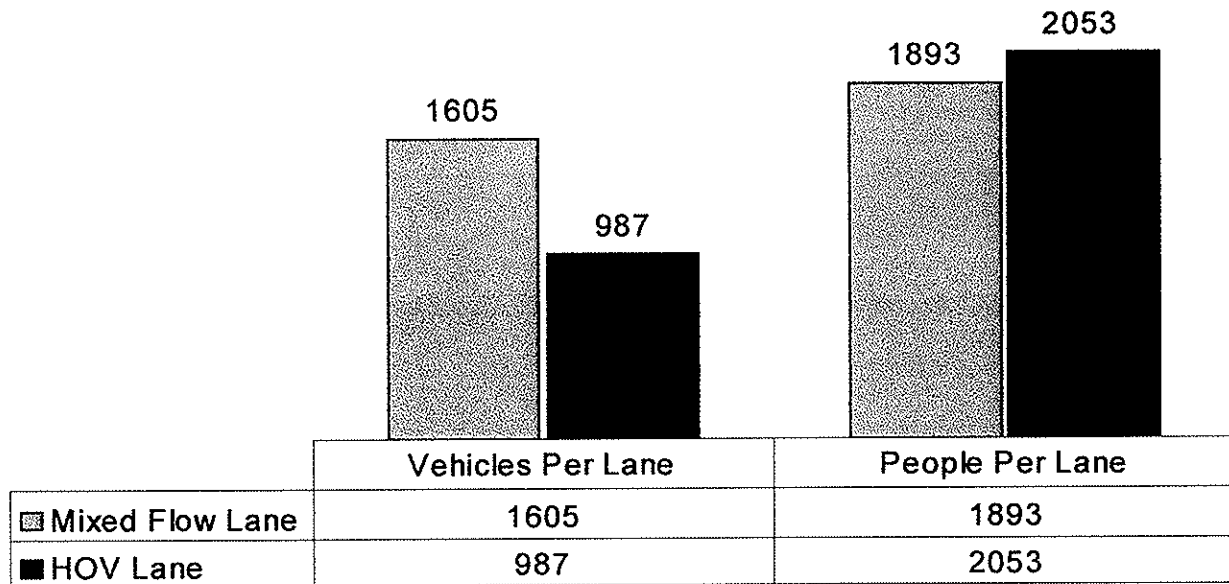
ROUTE 170 HOLLYWOOD FREEWAY EXTENSION

Project Limits & Length:	FROM ROUTE 101/134 TO ROUTE 5; 6.1 MILES
Date of Opening:	FEBUARY 11, 1996
Cost:	\$7.3 MILLION
Current Peak Hr Volume:	987 VEHICLES @ SHERMAN WAY
Park & Ride Facilities: (Lot No./Lot Name)	72/Rte 170 and Oxnard
Number of Ingress/Egress:	2 IN EACH DIRECTION

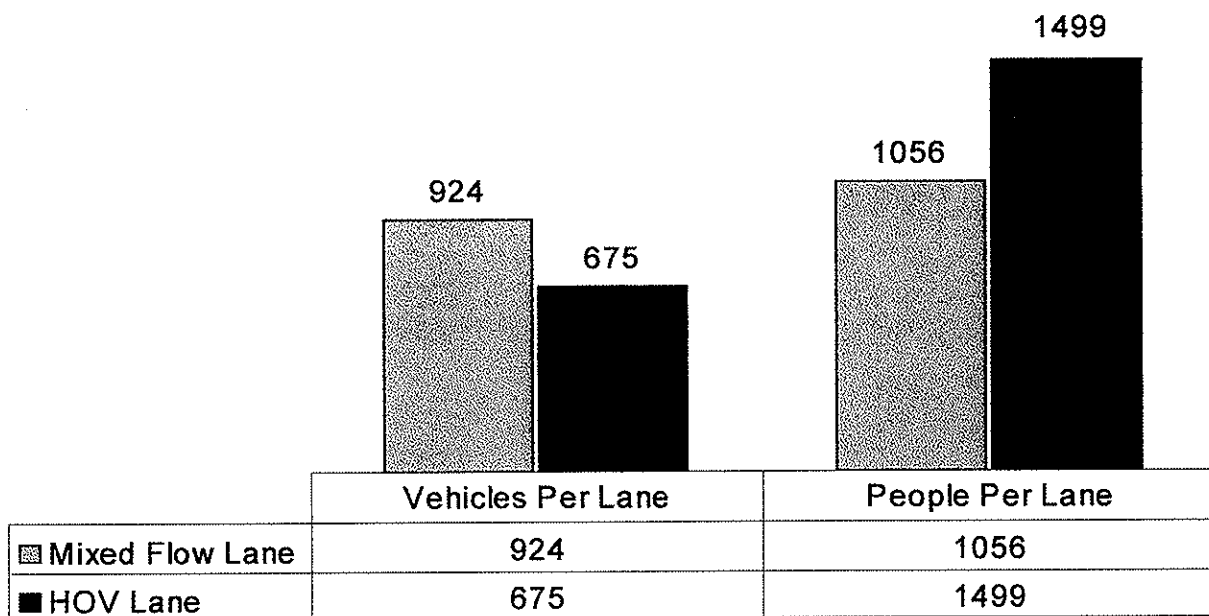
Unique Features:

Fast track HOV project.

PEAK HOURLY VOLUME COMPARISON



Location: LA-170-S/B @ Sherman Way
 Date/Time: 04-11-06 / 6:30-7:30 AM



Location: LA-170-N/B @ Sherman Way
 Date/Time: 06-20-06 / 4:30-5:30 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 170

Co. Rte. Dir.	LA - 170 - SB	LA - 170 - NB
Location	SHERMAN WAY	SHERMAN WAY
Post Mile	18.27	18.27
Date	04/11/06	06/20/06
HOV Peak Hour	6:30 - 7:30 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	958	636
Vanpools	9	20
Buses	2	3
Motorcycles	18	16
HOV lane Violators	1	0
Total Vehicles in HOV Lane	988	675
Carpools Using Mainline	1040	465
HOV People Summary		
People in Carpool & Vanpools	2014	1480
People in Buses	21	3
People on Motorcycles	18	16
Violators	1	0
Total HOV People	2054	1499
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	6420	3695
Mixed-Flow People	7570	4225
Mixed-Flow People/Lane	1893	1056
Freeway Summary		
Total Mixed-Flow People	7570	4225
Total HOV People	2054	1499
Total Freeway People	9624	5724
Percent Carried in HOV Lane	21.34%	26.19%
Percent Carried per Mixed-Flow Lane	19.66%	18.45%
Occupancy		
HOV Occupancy	2.08	2.22
Mainline Occupancy	1.18	1.14
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.09	1.42

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

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Golden State Freeway (Rte 5) to Ventura Freeway (Rte 134)





FACT SHEET

ROUTE 210 FOOTHILL FREEWAY

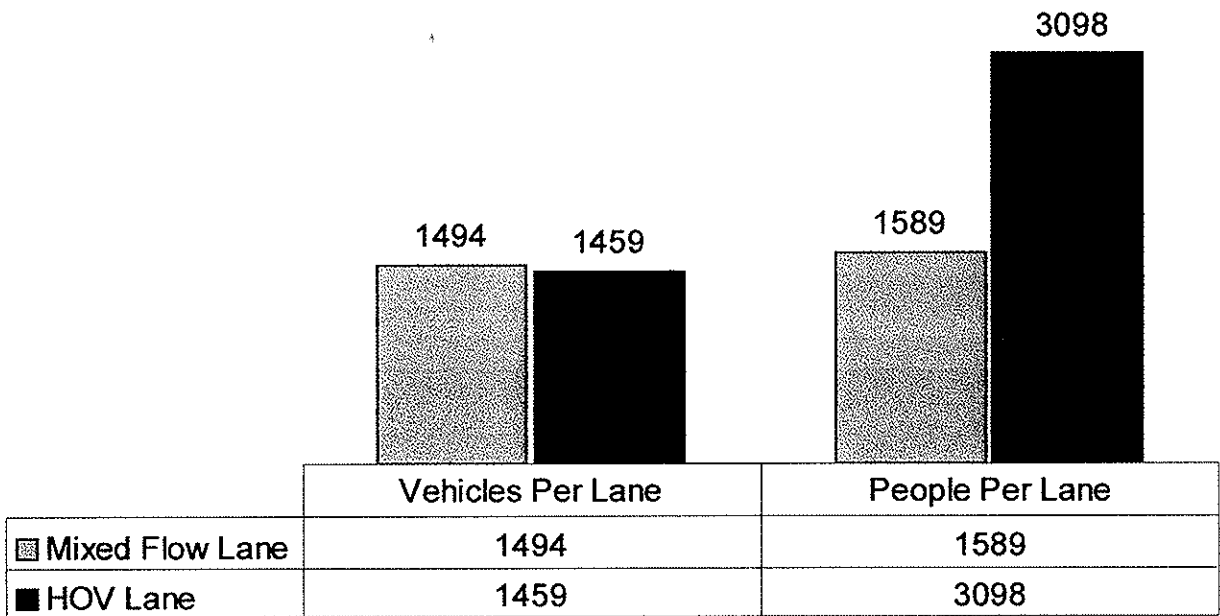
PROJECT LIMITS & LENGTH:	FROM ROUTE 134 TO SUNFLOWER AVE	18.8 MILES
	FROM SUNFLOWER AVE TO FOOTHILL BLVD	2.7 MILES
	FROM FOOTHILL BLVD TO SBD COUNTY LINE	5.8 MILES
Date of Opening:	FROM ROUTE 134 TO SUNFLOWER AVE	DEC 16, 1993
	FROM SUNFLOWER AVE TO FOOTHILL BLVD	SEP 08, 1997
	FROM FOOTHILL BLVD TO SBD COUNTY LINE	NOV 24, 2002
Cost:	FROM ROUTE 134 TO SUNFLOWER AVE	\$8.9 MILLION
	FROM SUNFLOWER AVE TO FOOTHILL BLVD	\$7.0 MILLION
	FROM FOOTHILL BLVD TO SBD COUNTY LINE	\$91.0 MILLION
Current Peak Hr Volume:	1521 VEHICLES @ SECOND ST	
Park & Ride Facilities: (Lot No./Lot Name)	75/Paxton; 35/Lowell; 84/Sierra Madre Blvd; 3/E.A. of God Church; 37/Citrus College; 39/Grand Ave; 38/Lone Hill; 92/Via Verde at Rte 210	
Number of Ingress/Egress:	FROM SBD CO. LINE TO ROUTE 134	13 E/B, 13 W/B

Unique Features:

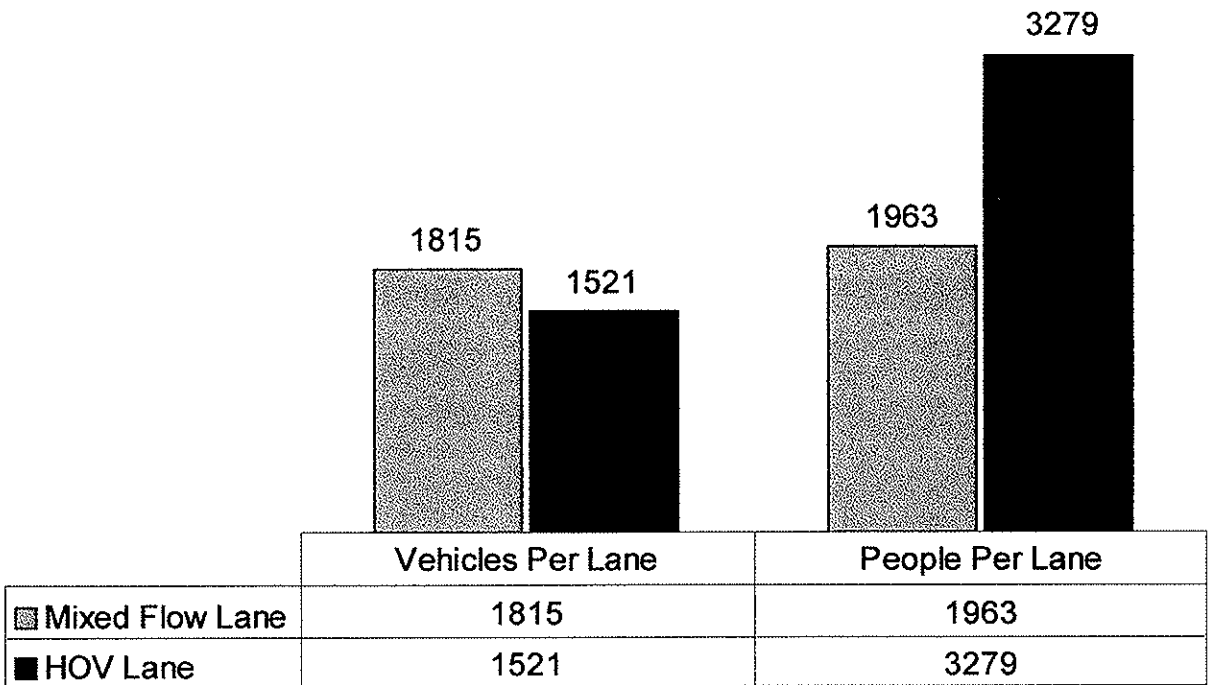
The HOV drop ramp at Fair Oaks Avenue was opened on May 30, 1996.

Completion and opening of 14 miles of the new Foothill Freeway (SR-210) between Foothill Boulevard (County of Los Angeles) and Day Creek Boulevard (County of San Bernardino) to connect with six-mile section of the freeway that opened in August 2001 from Day Creek Boulevard to Sierra Avenue. The new freeway segment provides additional freeway capacity and an alternate east/west route for commuters. The project constructed eight lanes of freeway (three mixed-flow lanes and one High Occupancy Vehicle (HOV) lane in each direction) with space for future widening in the median. This new freeway segment connects with I-15, the direct route to Las Vegas.

PEAK HOURLY VOLUME COMPARISON



Location: LA-210-W/B @ Second St.
Date/Time: 03-28-06 / 6:30-7:30 AM



Location: LA-210-E/B @ Second St.
Date/Time: 04-05-06 / 4:30-5:30 PM
Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7
HOV Operation on Route 210

Co. Rte. Dir.	LA - 210 - WB	LA - 210 - EB
Location	2nd ST.	2nd ST.
Post Mile	39.12	39.12
Date	03/28/06	04/05/06
HOV Peak Hour	6:30 - 7:30 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1428	1473
Vanpools	20	32
Buses	1	5
Motorcycles	10	11
HOV lane Violators	41	2
Total Vehicles in HOV Lane	1500	1523
Carpools Using Mainline	355	520
HOV People Summary		
People in Carpool & Vanpools	3087	3244
People in Buses	1	24
People on Motorcycles	10	11
Violators	41	2
Total HOV People	3139	3281
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5975	7260
Mixed-Flow People	6355	7850
Mixed-Flow People/Lane	1589	1963
Trucks on Mainlines	262	208
Freeway Summary		
Total Mixed-Flow People	6355	7850
Total HOV People	3139	3281
Total Freeway People	9494	11131
Percent Carried in HOV Lane	33.06%	29.48%
Percent Carried per Mixed-Flow Lane	16.73%	17.63%
Occupancy		
HOV Occupancy	2.09	2.15
Mainline Occupancy	1.06	1.08
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.98	1.67

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.
9/7/2006 9:56 AM C:\CountData\LA 210 2nd 3-28-06.xls

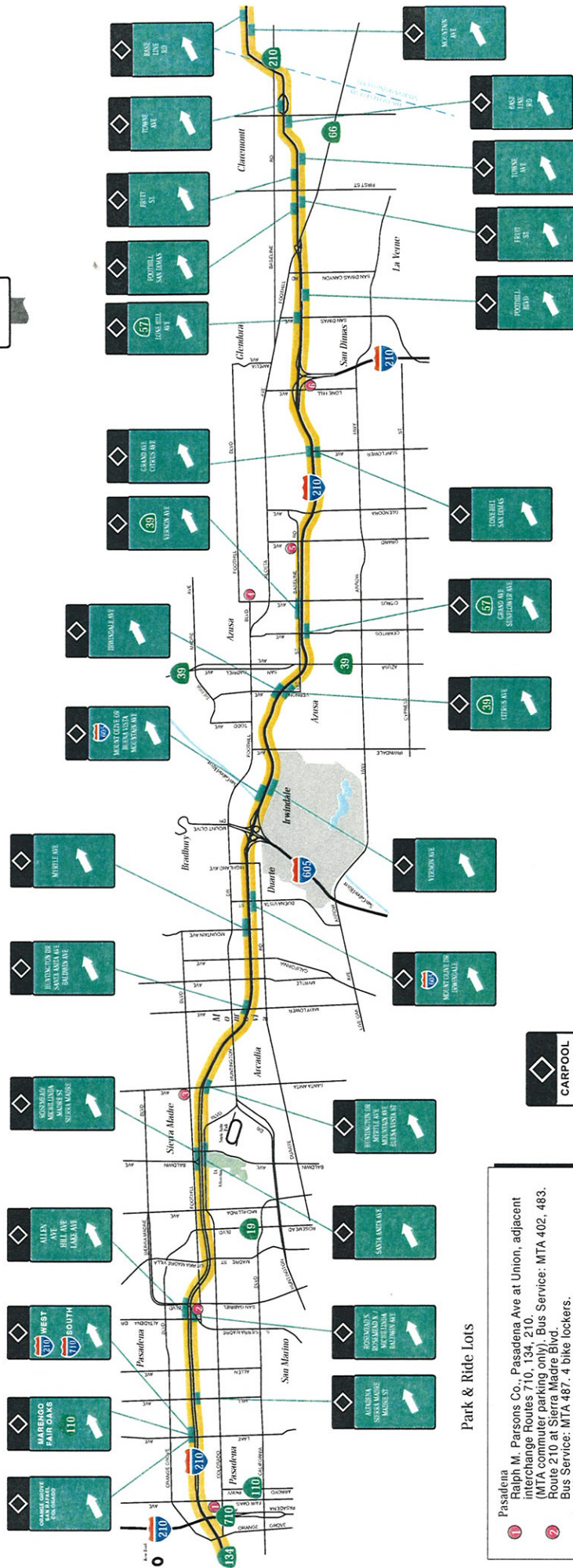
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FOOTHILL FREEWAY HOV LANE

Ventura Freeway (Rte 134) to San Bernardino County Line



Park & Ride Lots

- 1** Pasadena
Ralph M. Parsons Co., Pasadena Ave at Union, adjacent
Interchange Routes 710, 134, 210.
(MTA commuter parking only). Bus Service: MTA 402, 483,
Route 210 at Sierra Madre Blvd.
Bus Service: MTA 487, 4 bike lockers.
- 2** Arcadia
Emmanuel Assembly of God Church, 23 West Foothill Blvd.
Bus Service: MTA 491.
- 3** Glendora
Citrus College, Foothill Blvd. and Citrus Ave.
Bus Service: MTA 187, 247; FT 488.
628 West Baseline at Grand Ave adjacent I-210.
Bus Service: FT 690, 8 bike lockers.
1000 South Lone Hill Ave at I-210
Bus Service: FT 690.

CARPOOL VIOLATION
\$341
MINIMUM FINE



California Department of Transportation District 7, Los Angeles and Ventura Counties 100 S. Main St., Los Angeles, CA 90012
 Rideshare Information (800) COMMUTE. Bike Lockers (213) 897-0235

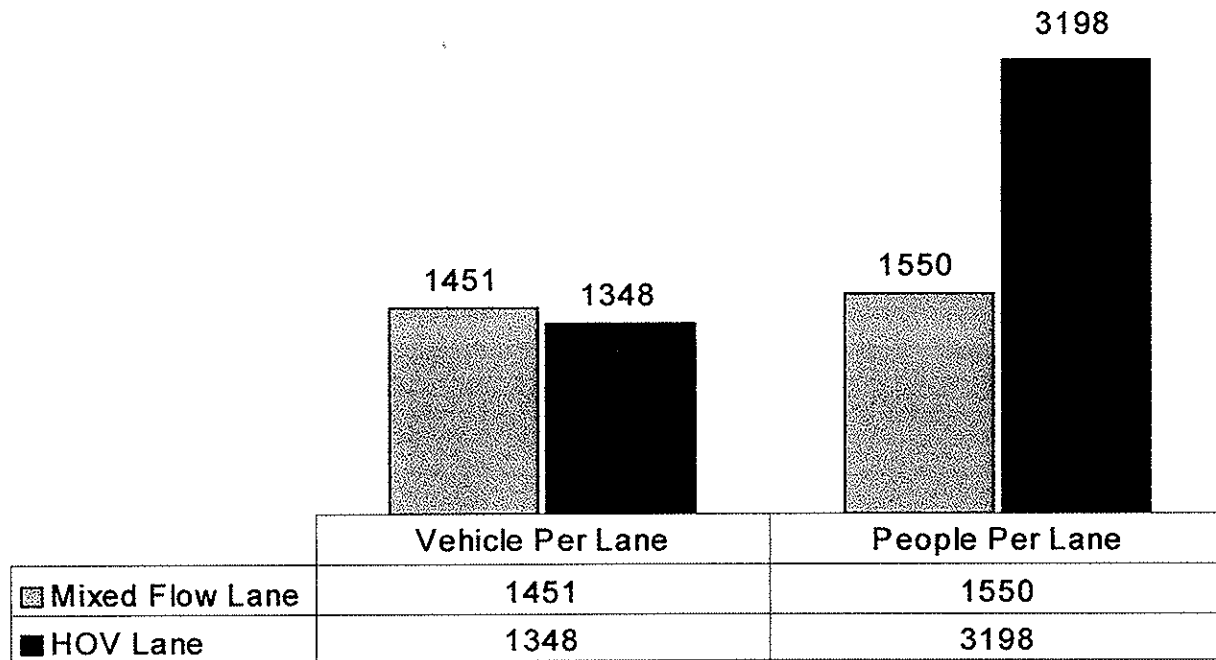


FACT SHEET

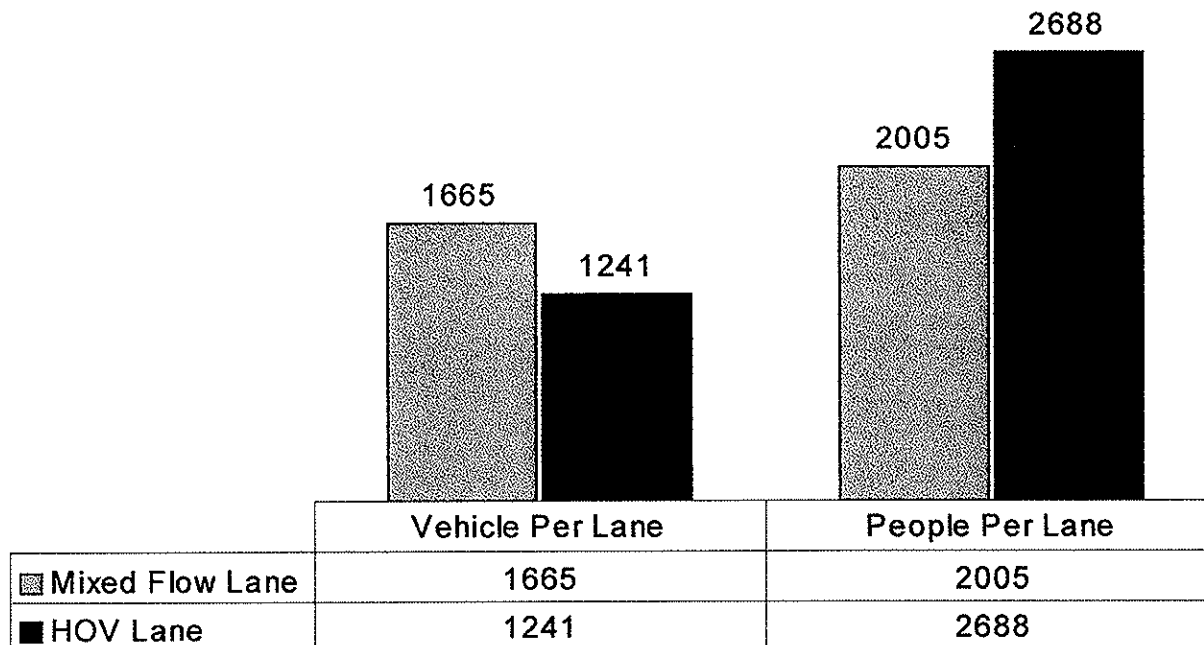
ROUTE 405 SAN DIEGO FREEWAY

Project Limits & Length:	FROM ROUTE 110 TO 120 TH STREET	7.7 MILES
	FROM BELLFLOWER BLVD TO ROUTE 605	2.2 MILES
	FROM 120 TH STREET TO CENTURY BLVD	2.0 MILES
	FROM ROUTE 101 TO ROUTE 5	10.0 MILES
	FROM ORA CO LINE TO ROUTE 710	7.7 MILES
	FROM ROUTE 710 TO ROUTE 110	6.1 MILES
	FROM WATERFORD TO RTE 101 S/B ONLY	7.8 MILES
Date of Opening:	FROM CENTURY BLVD TO ROUTE 90	5.1 MILES
	FROM ROUTE 110 TO 120 TH STREET	APR 08, 1993
	FROM BELLFLOWER BLVD TO ROUTE 605	OCT 02, 1993
	FROM 120 TH STREET TO CENTURY BLVD	JAN 1994
	FROM ROUTE 101 TO ROUTE 5	OCT 22, 1996
	FROM ORA CO LINE TO ROUTE 710	FEB 12, 1998
	FROM ROUTE 710 TO ROUTE 110	OCT 08, 1998
Cost:	FROM WATERFORD TO RTE 101 S/B ONLY	JAN 08, 2002
	FROM CENTURY BLVD TO ROUTE 90	MAY 23, 2006
	FROM ROUTE 110 TO 120 TH STREET	\$ 8.3 MILLION
	FROM BELLFLOWER BLVD TO ROUTE 605	\$ 4.8 MILLION
	FROM ROUTE 101 TO ROUTE 5	\$15.1 MILLION
	FROM ORA CO LINE TO ROUTE 710	\$29.7 MILLION
	FROM ROUTE 710 TO ROUTE 110	\$28.2 MILLION
Current Peak Hr Volume:	FROM WATERFORD TO RTE 101 S/B ONLY	\$17.7 MILLION
	FROM CENTURY BLVD TO ROUTE 90	\$34.3 MILLION
Park & Ride Facilities: (Lot No./Lot Name)	1372 VEHICLES @ TEMPLE	
Number of Ingress/Egress:	82/St John's Church; Lot No./McDonald Douglas; 12/Carson Mall;	
	116/Congres. Church; 61/Skirball and Mulholland	
	FROM ROUTE 90 TO ORA CO LINE	13 N/B, 13 S/B
	FROM ROUTE 5 TO ROUTE 101	3 N/B, 4 S/B
	FROM ROUTE 101 TO WATERFORD	4 S/B ONLY

PEAK HOURLY VOLUME COMPARISON

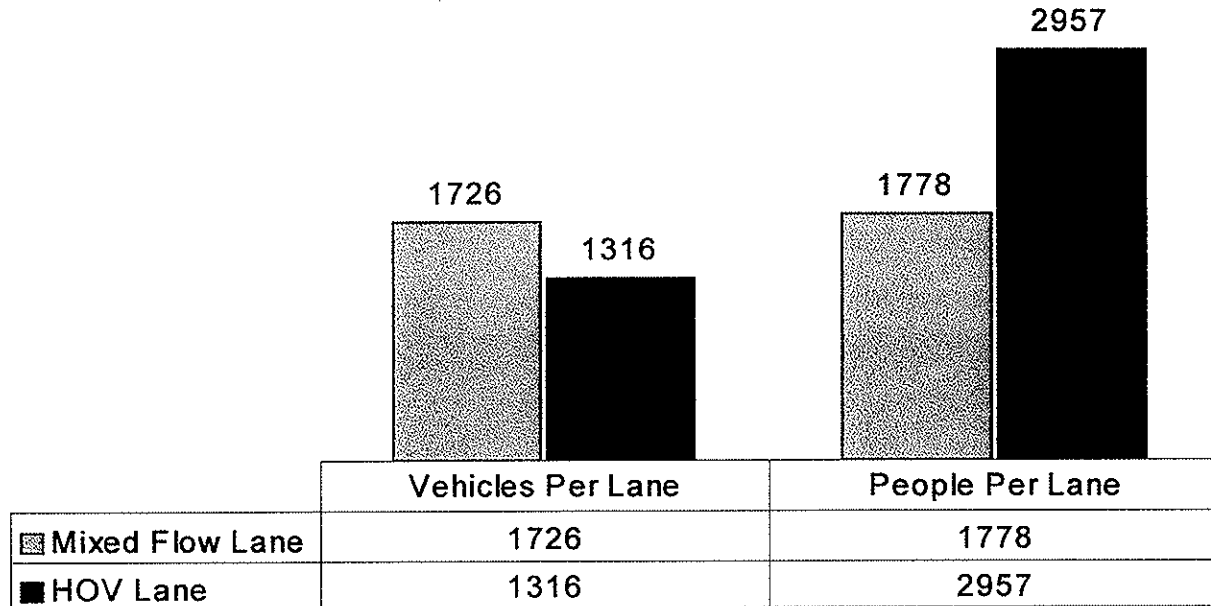


Location: LA-405-S/B @ Burbank Blvd
 Date/Time: 04-12-06 / 6:30-7:30 AM



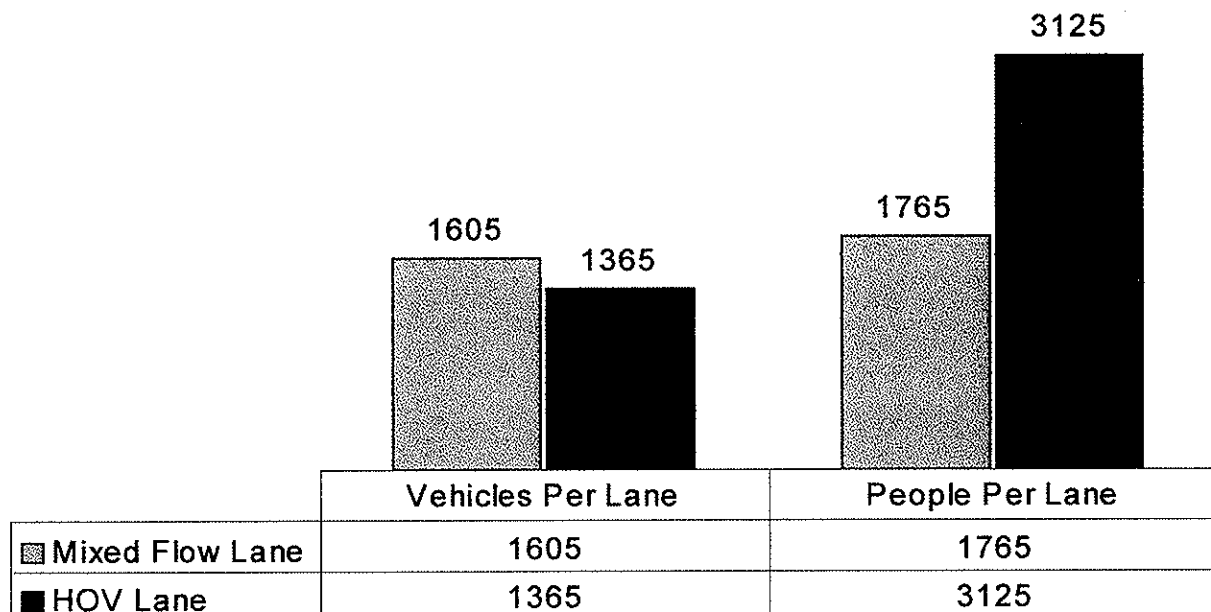
Location: LA-405-N/B @ Burbank Blvd
 Date/Time: 06-06-06 / 4:30-5:30 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

PEAK HOURLY VOLUME COMPARISON



Location: LA-405-N/B @ Normandie

Date/Time: 03-30-06 / 6:30-7:30 AM

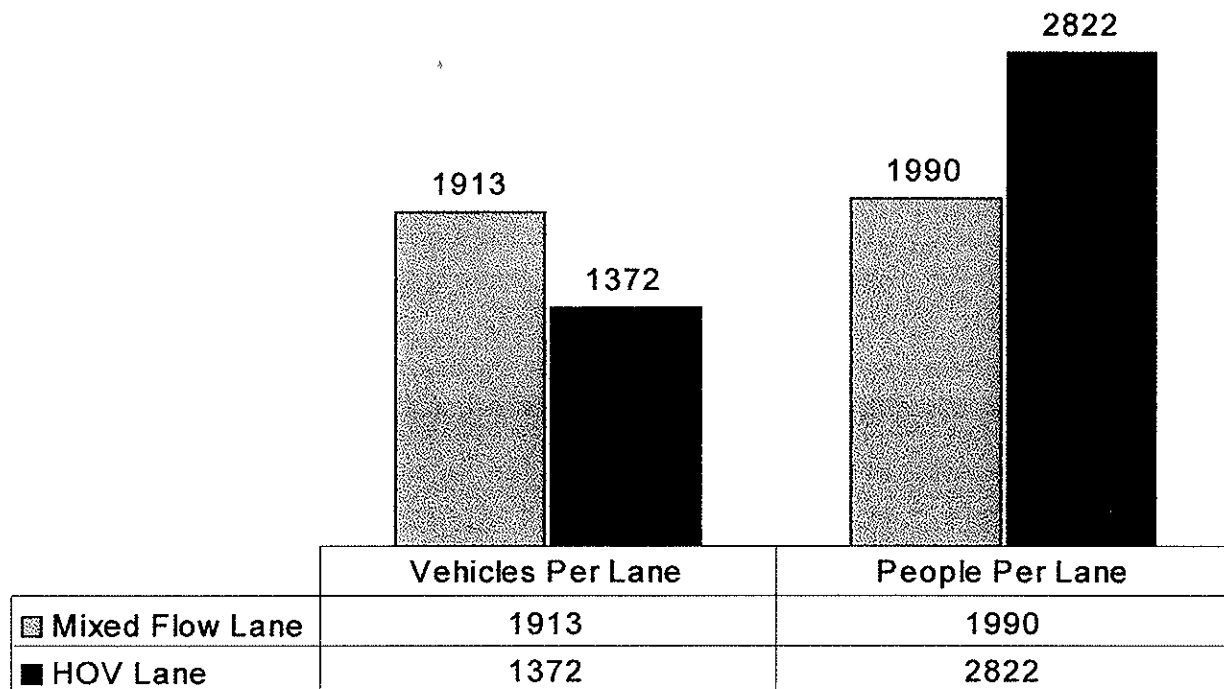


Location: LA-405-S/B @ Normandie

Date/Time: 04-11-06 / 3:45-4:45 PM

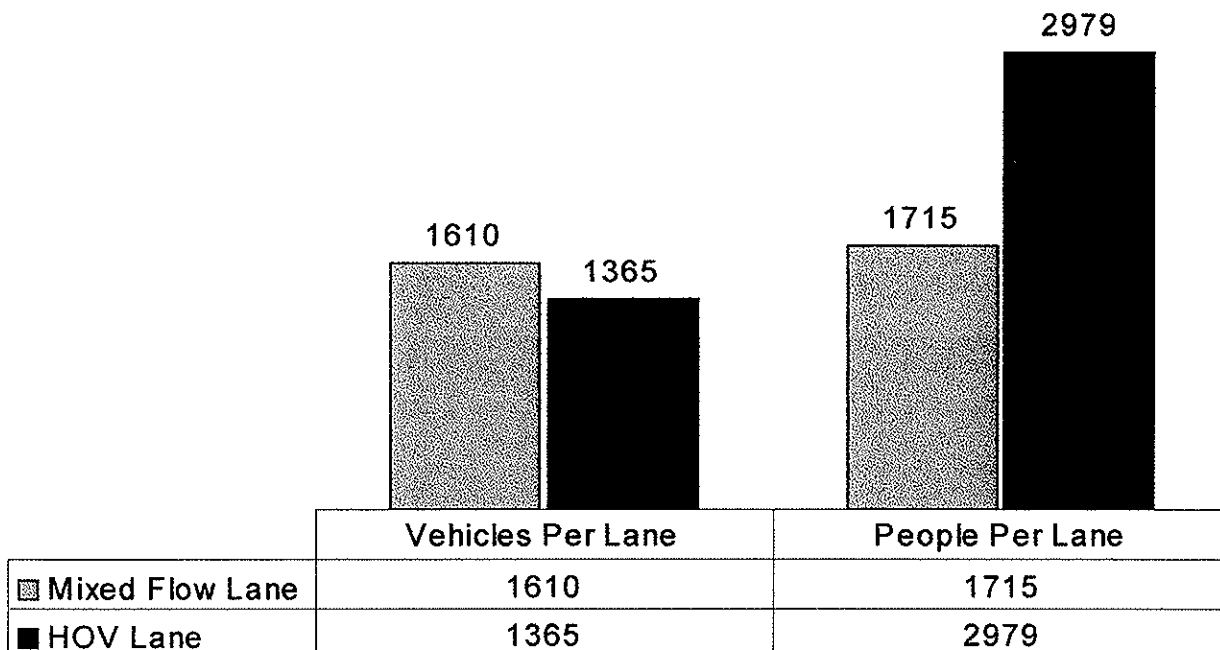
Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

PEAK HOURLY VOLUME COMPARISON



Location: LA-405-N/B @ Temple Ave.

Date/Time: 05-04-06 / 6:45-7:45 AM



Location: LA-405-S/B @ Temple Ave.

Date/Time: 05-31-06 / 4:15-5:15 PM

Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 405

Co. Rte. Dir.	LA - 405 - SB	LA - 405 - NB
Location	BURBANK	BURBANK
Post Mile	40.28	40.27
Date	04/12/06	06/06/06
HOV Peak Hour	6:30 - 7:30 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1284	1167
Vanpools	24	33
Buses	9	2
Motorcycles	31	39
HOV lane Violators	7	2
Total Vehicles in HOV Lane	1355	1243
Carpools Using Mainline	305	1140
HOV People Summary		
People in Carpool & Vanpools	2837	2628
People in Buses	330	21
People on Motorcycles	31	39
Violators	7	2
Total HOV People	3205	2690
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5805	6660
Mixed-Flow People	6200	8020
Mixed-Flow People/Lane	1550	2005
Trucks on Mainlines	237	147
Freeway Summary		
Total Mixed-Flow People	6200	8020
Total HOV People	3205	2690
Total Freeway People	9405	10710
Percent Carried in HOV Lane	34.08%	25.12%
Percent Carried per Mixed-Flow Lane	16.48%	18.72%
Occupancy		
HOV Occupancy	2.37	2.16
Mainline Occupancy	1.07	1.20
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	2.07	1.34

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

9/7/2006 9:57 AM

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CALTRANS - DISTRICT 7

HOV Operation on Route 405

Co. Rte. Dir.	LA - 405 - NB	LA - 405 - SB
Location	NORMANDIE	NORMANDIE
Post Mile	13.81	13.81
Date	03/30/06	04/11/06
HOV Peak Hour	6:30 - 7:30 AM	15:45 - 16:45 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1240	1280
Vanpools	46	54
Buses	6	3
Motorcycles	24	28
HOV lane Violators	0	5
Total Vehicles in HOV Lane	1316	1370
Carpools Using Mainline	160	510
HOV People Summary		
People in Carpool & Vanpools	2821	2977
People in Buses	112	120
People on Motorcycles	24	28
Violators	0	5
Total HOV People	2957	3130
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	6905	6420
Mixed-Flow People	7110	7060
Mixed-Flow People/Lane	1778	1765
Trucks on Mainlines	128	108
Freeway Summary		
Total Mixed-Flow People	7110	7060
Total HOV People	2957	3130
Total Freeway People	10067	10190
Percent Carried in HOV Lane	29.37%	30.72%
Percent Carried per Mixed-Flow Lane	17.66%	17.32%
Occupancy		
HOV Occupancy	2.25	2.28
Mainline Occupancy	1.03	1.10
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.66	1.77

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

9/7/2006 9:58 AM

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CALTRANS - DISTRICT 7
HOV Operation on Route 405

Co. Rte. Dir.	LA - 405 - NB	LA - 405 - SB
Location	TEMPLE	TEMPLE
Post Mile	4.33	4.33
Date	05/04/06	05/31/06
HOV Peak Hour	6:45 - 7:45 AM	16:15 - 17:15 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1289	1258
Vanpools	15	46
Buses	3	3
Motorcycles	65	58
HOV lane Violators	2	4
Total Vehicles in HOV Lane	1374	1369
Carpools Using Mainline	285	456
HOV People Summary		
People in Carpool & Vanpools	2735	2909
People in Buses	22	12
People on Motorcycles	65	58
Violators	2	4
Total HOV People	2824	2983
Mainline Summary		
Mixed-Flow lanes	4	5
Mixed-flow Vehicles	7650	8052
Mixed-Flow People	7960	8574
Mixed-Flow People/Lane	1990	1715
Trucks on Mainlines	193	119
Freeway Summary		
Total Mixed-Flow People	7960	8574
Total HOV People	2824	2983
Total Freeway People	10784	11557
Percent Carried in HOV Lane	26.19%	25.81%
Percent Carried per Mixed-Flow Lane	18.45%	14.84%
Occupancy		
HOV Occupancy	2.06	2.18
Mainline Occupancy	1.04	1.06
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.42	1.74

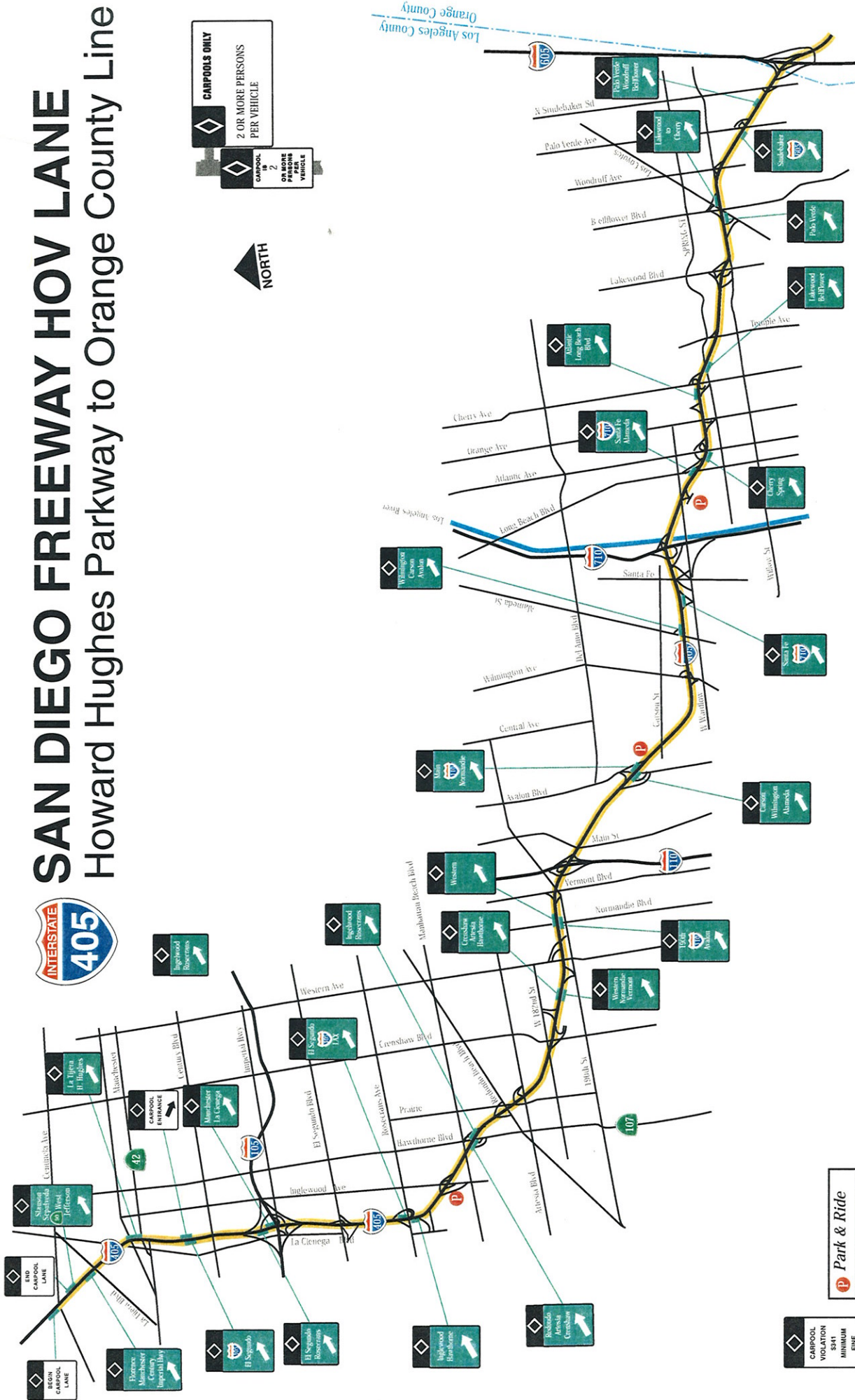
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

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SAN DIEGO FREEWAY HOV LANE

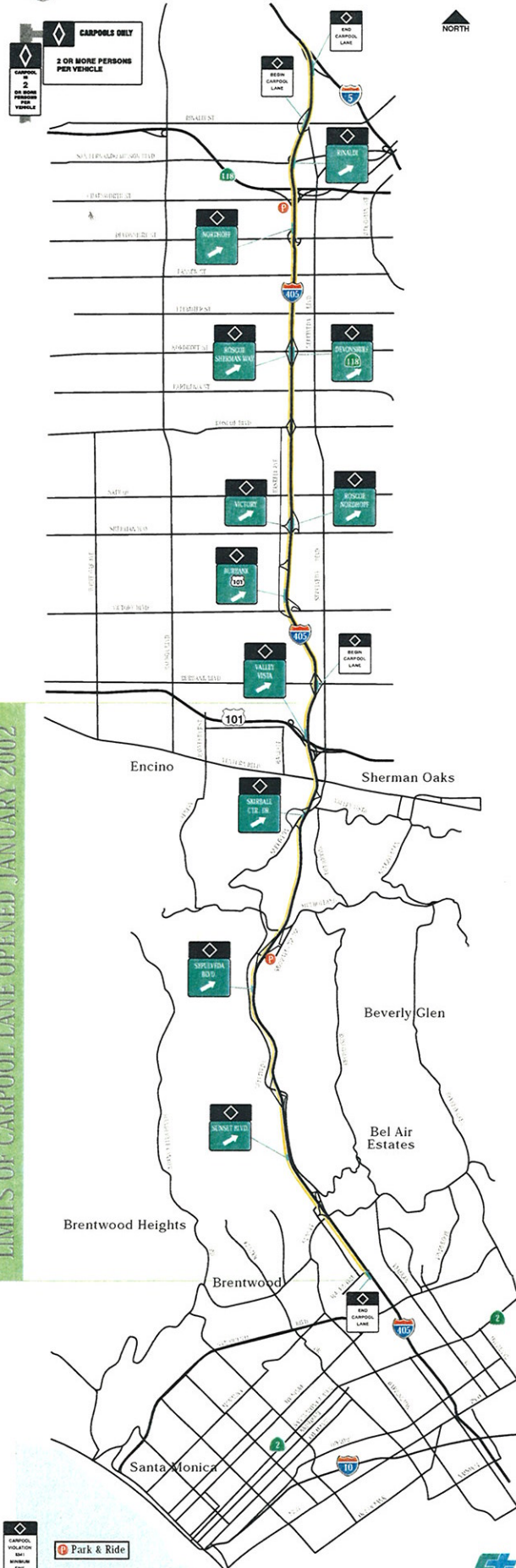
Howard Hughes Parkway to Orange County Line



California Department of Transportation District 7, Los Angeles and Ventura Counties 100 S. Main St., Los Angeles, CA 90012
Rideshare Information (800) COMMUTE Bike Lockers (213) 897-0235



SAN DIEGO FREEWAY HOV LANE Golden State Freeway (Rte 5) to Waterford St.



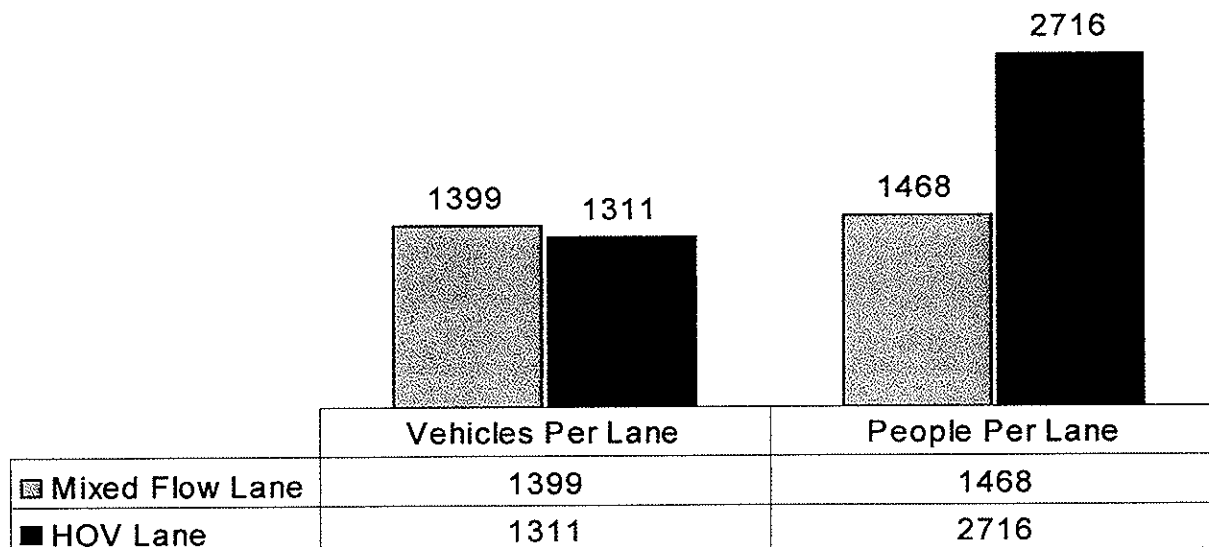


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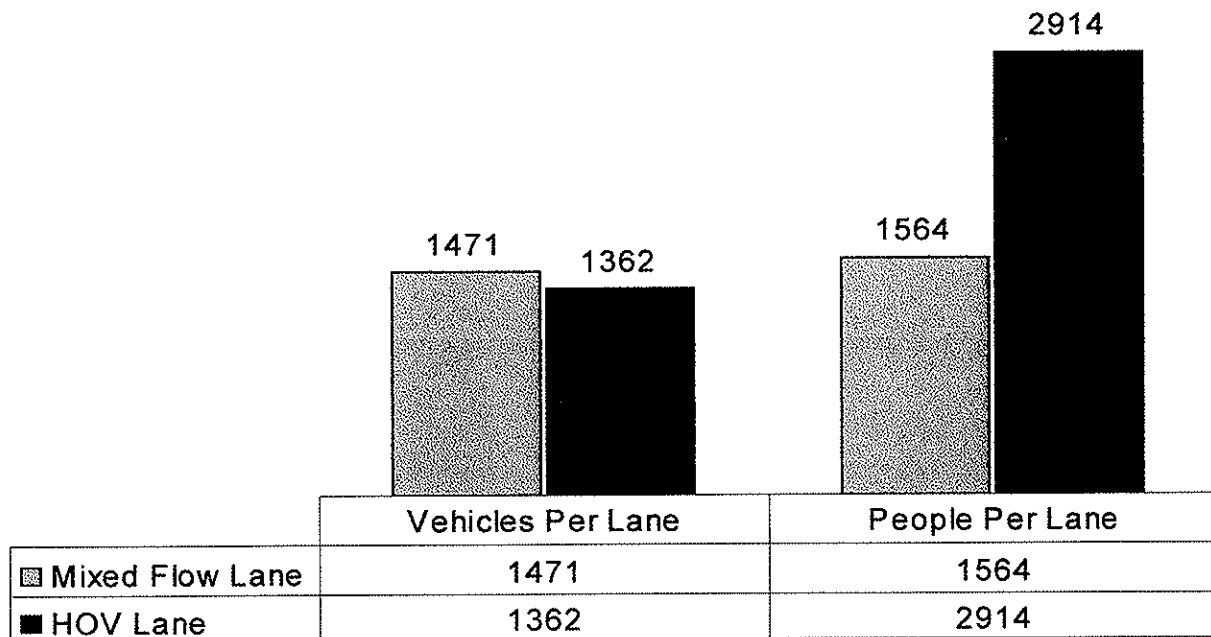
ROUTE 605 SAN GABRIEL RIVER FREEWAY

Project Limits & Length:	FROM SOUTH ST. TO TELEGRAPH RD	6.9 MILES
	FROM TELEGRAPH RD TO ROUTE 10	9.9 MILES
	FROM ORA. CO. LINE TO SOUTH ST.	4.3 MILES
Date of Opening:	FROM SOUTH ST. TO TELEGRAPH RD	APR 2, 1997
	FROM TELEGRAPH RD TO ROUTE 10	APR 3, 1998
	FROM ORA. CO. LINE TO SOUTH ST.	MARCH 2001
Cost:	FROM SOUTH ST. TO TELEGRAPH RD	\$14.1 MILLION
	FROM TELEGRAPH RD TO ROUTE 10	\$17.3 MILLION
	FROM ORA. CO. LINE TO SOUTH ST.	\$14.6 MILLION
Current Peak Hr Volume:	1362 VEHICLES @ BEVERLY BLVD	
Park & Ride Facilities:	None	
Number of Ingress/Egress:	FROM ROUTE 10 TO ORA. CO. LINE	9 N/B, 10 S/B

PEAK HOURLY VOLUME COMPARISON



Location: LA-605-S/B @ Beverly Blvd.
 Date/Time: 05-31-06 / 6:45-7:45 AM



Location: LA-605-N/B @ Beverly Blvd.
 Date/Time: 06-07-06 / 4:30-5:30 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

CALTRANS - DISTRICT 7
HOV Operation on Route 605

Co. Rte. Dir.	LA - 605 - SB	LA - 605 - NB
Location	BEVERLY	BEVERLY
Post Mile	14.41	14.41
Date	05/31/06	06/07/06
HOV Peak Hour	6:45 - 7:45 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHICLE SUMMARY		
Carpools	1261	1283
Vanpools	7	29
Buses	4	5
Motorcycles	39	45
HOV lane Violators	2	5
Total Vehicles in HOV Lane	1313	1367
Carpools Using Mainline	260	280
HOV People Summary		
People in Carpool & Vanpools	2636	2827
People in Buses	41	42
People on Motorcycles	39	45
Violators	2	5
Total HOV People	2718	2919
Mainline Summary		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5595	5885
Mixed-Flow People	5870	6255
Mixed-Flow People/Lane	1468	1564
Trucks on Mainlines	445	438
Freeway Summary		
Total Mixed-Flow People	5870	6255
Total HOV People	2718	2919
Total Freeway People	8588	9174
Percent Carried in HOV Lane	31.65%	31.82%
Percent Carried per Mixed-Flow Lane	17.09%	17.05%
Occupancy		
HOV Occupancy	2.07	2.14
Mainline Occupancy	1.05	1.06
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.85	1.87

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

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